

February 2005

CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
DESIGN DEVELOPMENT DIVISION



ON-CALL PROTOTYPE MEDIAN AND
INTERSTATE LANDSCAPES FY-04B

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NOTE: INDIVIDUAL
MEDIAN PROJECTS WILL
BE IN VARIOUS
LOCATIONS THROUGHOUT
THE CITY – FINAL
LOCATIONS ARE YET TO
BE DETERMINED.

VICINITY MAP

GENERAL NOTES

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED, FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 ED., AND SHALL INCLUDE UPDATE NO. 7.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL COORDINATE WITH WATER SYSTEMS DIVISION (857-8200) SEVEN WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION SEVEN DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
- CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK, IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY OF ALBUQUERQUE SURVEY SECTION. WHEN A CHANGE IS MADE IN THE FINISH ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO NEW GRADE, UNLESS OTHERWISE SPECIFIED.

MORROW
REARDON
WILKINSON, LTD.,
LANDSCAPE ARCHITECTS
210 La Veta NE, Albuquerque, NM 87108
505.288.2266 FAX 505.285.9637
mrw@mrwnm.com

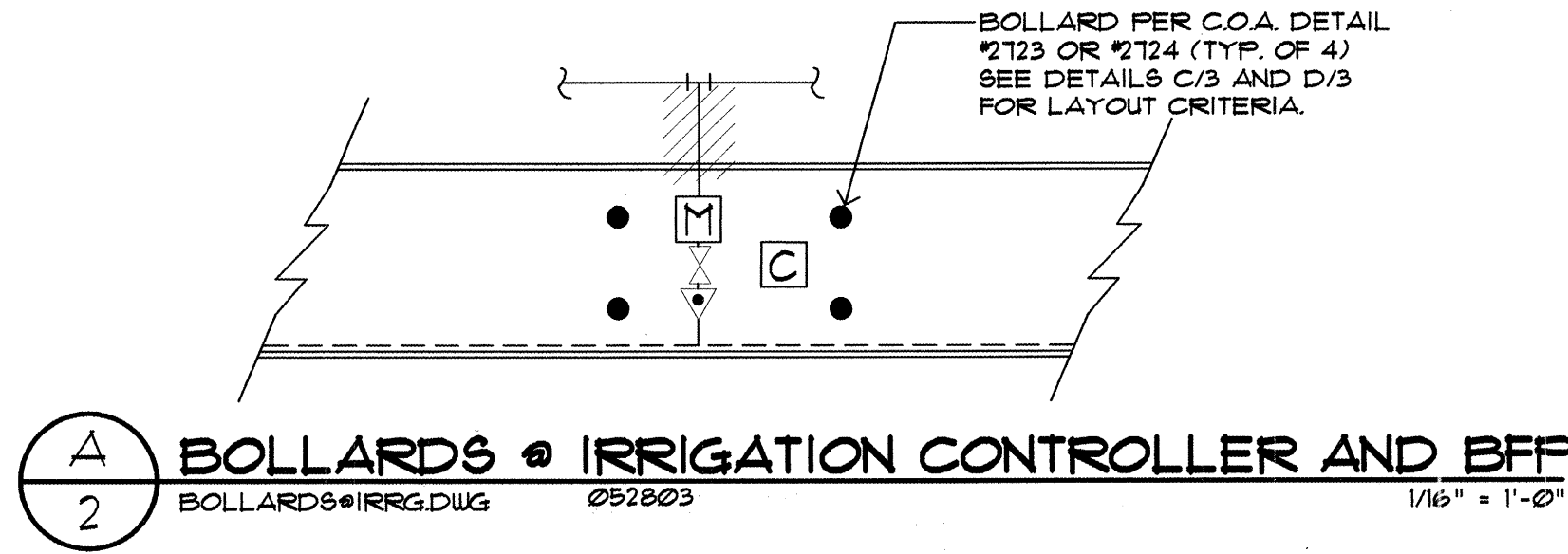
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
LANDSCAPE ARCHITECT'S SEAL		APPROVALS	ENGINEER	DATE	*****		
		DRC CHAIRMAN		2-9-05	APPROVED FOR CONSTRUCTION		
		TRANSPORTATION		2-8-05			
		WATER/WASTEWATER		2-9-05			
		HYDROLOGY		2/8/05			
		PARKS & RECREATION					
		CONSTR. COORD.			 City Engineer Date		
		ENV. HEALTH					
		City Project Number			Sheet of		
		754600			1 of 25		

GENERAL NOTES

1. PRIOR TO STARTING CONSTRUCTION, CONTRACTOR SHALL VERIFY THE FOLLOWING WITH THE CITY PROJECT MANAGER:
- A. EXISTING WATER PRESSURE (SEE IRRIGATION NOTE #3).
 - B. ELEVATION DIFFERENCE (SEE IRRIGATION NOTE #3).
 - C. TYPE OF CONTROLLER TO BE INSTALLED.
 - D. TYPE OF FLOW METER TO BE INSTALLED.
 - E. RESULTS OF SOIL TEST, IF ANY, TO DETERMINE PRESENCE OF SOIL STERILANTS.
 - F. RESULTS OF BORING TESTS, IF ANY, TO DETERMINE PRESENCE OF SUBSURFACE DEBRIS.
 - G. REQUIRED CLEAR ZONE AT BACK OF CURB (AREA FREE OF PLANTS AND OTHER IMPROVEMENTS) (SEE PLANTING NOTE #6).
 - H. REQUIREMENT FOR CONSTRUCTION OF A DEDICATED PARKING AREA FOR MAINTENANCE VEHICLES, PARKING AREA, IF ANY, SHALL BE PER DETAIL A/3 OR B/3, AS DIRECTED BY THE PROJECT MANAGER.
 - I. PROTOTYPE SELECTION AND LAYOUT.
 - J. TYPE AND COLOR OF MULCHES TO BE INSTALLED.
 - K. TYPE OF PAVING TO BE CONSTRUCTED.
 - L. OBTAIN A COPY OF THE WORK ORDER PLAN FOR USE IN PREPARATION OF RECORD DRAWINGS.
 - M. QUANTITY OF PROJECT SIGNS.
2. PRIOR TO STARTING CONSTRUCTION, CONTRACTOR SHALL PERFORM THE FOLLOWING:
- A. ONLY AS REQUESTED BY THE OWNER, OBTAIN SOIL SAMPLES TO BE USED FOR TESTING FOR SOIL STERILANTS. EACH SAMPLE SHALL CONSIST OF SOIL TAKEN FROM THREE (3) TEST HOLES. HOLES SHALL BE MAX. 12" DEEP AND 12" DIAMETER. SAMPLES SHALL BE SUBMITTED TO A LICENSED SOIL TESTING LAB. TESTS SHALL NOT BE FOR SPECIFIC CHEMICALS, BUT SHALL BE MADE BY SEEDING THE SAMPLE SOIL AND TESTING FOR SUCCESSFUL GERMINATION AND GROWTH.
 - B. ONLY AS REQUESTED BY THE OWNER, PERFORM POTHOLING TO A DEPTH OF 3' TO DETERMINE PRESENCE OF SUB-SURFACE PAVING OR DEBRIS.
3. CONTRACTOR SHALL REMOVE EXISTING SOIL AS REQUIRED TO ENSURE TOP OF PROPOSED MULCH IS ONE INCH BELOW TOP OF CURB. FOR BIDDING PURPOSES, IT SHALL BE ASSUMED THAT EXISTING FINISH GRADE WITHIN A PROTOTYPE POD IS FLUSH WITH TOP OF ADJACENT CURB. SOIL TO BE REMOVED WITHIN A POD THAT IS ABOVE TOP OF CURB SHALL BE REMOVED AND PAID FOR AS A UNIT TO BID ITEM.
4. CONTRACTOR SHALL REMOVE ANY EXISTING DEBRIS AND SUBSURFACE PAVING THAT MAY BE PRESENT TO A THREE FOOT DEPTH BELOW GRADE.
5. SOIL AND DEBRIS REMOVED FROM PROJECT SITE SHALL BE DISPOSED OF IN AN APPROVED WASTE MANAGEMENT SITE.
6. A 4" DEPTH OF MULCH WITH FILTER FABRIC UNDER SHALL BE INSTALLED THROUGHOUT NON-PAVED AREAS OF MEDIANS. FILTER FABRIC SHALL BE MINIMUM FOUR OUNCE WOVEN NEEDLE PUNCHED POLYPROPYLENE. OVERLAP ENDS 3". TURN DOWN EDGES 6". TOP OF MULCH SHALL BE 2" BELOW TOP OF CURB.
7. MULCH FOR MEDIANS SHALL BE ONE OF OR A COMBINATION OF THE FOLLOWING:
- A. GREY CRUISHER FINES
 - B. 3/4"-1" SANTA FE BROWN OR MOUNTAIN ROSE OR EQUAL SUBANGULAR GRAVEL.
 - C. 2"-4" SANTA ANA TAN COBBLES.
- CONTRACTOR TO VERIFY MULCH TYPE AND COLOR WITH CITY PROJECT MANAGER.
8. MEDIAN NOSES SHALL BE PAVED PER DETAIL E/3. MEDIAN NOSE PAVING AND MEDIAN PAVING SHALL BE ONE OF THE FOLLOWING:
- A. STANDARD GRAY, BROOM FINISH CONCRETE
 - B. COLORED, BROOM FINISH CONCRETE
 - C. COLORED, STAMPED CONCRETE
 - D. SPECIALTY SCORED PATTERN IN STANDARD GREY CONCRETE WITH BROOM FINISH
 - E. SPECIALTY SCORED PATTERN IN COLORED CONCRETE WITH BROOM FINISH
 - F. PAVING SHALL MATCH EXISTING PAVING IN ADJACENT AREAS, IF APPLICABLE.
- CONTRACTOR SHALL VERIFY PAVING TYPE AND COLOR WITH CITY PROJECT MANAGER. FOR BIDDING PURPOSES, COLOR SHALL BE DAVIS 'SAN DIEGO BUFF' OR EQUAL, 15 LB6 PER 94 LB BAG OF CEMENT. CONCRETE MIX (INCLUDING CONCRETE WITH COLOR) SHALL BE IN ACCORDANCE WITH C.O.A. STANDARD MIX DESIGN AND SHALL BE CERTIFIED BY THE CITY OF ALBUQUERQUE PRIOR TO USE.
9. WHERE CONTRACTOR INSTALLS NEW MEDIAN NOSE CURB, CONTRACTOR SHALL PAINT CURB WITH TWO COATS YELLOW TRAFFIC PAINT.
10. BOULDERS SHALL BE 18 CF TO 24 CF MOSS ROCK, GRANITE, OR EQUAL AS APPROVED BY THE CITY PROJECT MANAGER. CINDER BOULDERS WILL NOT BE ACCEPTABLE. BOULDERS SHALL BE INSTALLED PER DETAIL F/3.
11. CONTRACTOR SHALL ADJUST EXISTING MANHOLES AND VALVE BOXES TO BE FLUSH WITH TOP OF MULCH OR TOP OF PAVING. CONTRACTOR SHALL FEATHER GRADE AT PULLBOXES AS REQUIRED FOR TOP OF MULCH TO BE FLUSH WITH TOP OF PULLBOX. SEE DETAIL F/4.
12. CONTRACTOR SHALL REPLACE ANY DAMAGED EXISTING PULLBOXES AND/OR VALVE BOXES TO REMAIN WITH NEW BOXES AND/OR COVERS AS REQUIRED TO REPLACE DAMAGED MATERIALS.
13. CONTRACTOR SHALL PROTECT EXISTING UTILITIES, INCLUDING LOOP DETECTORS, FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. CONTRACTOR SHALL REPAIR OR REPLACE UTILITIES DAMAGED BY CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
14. PRIOR TO FINAL PROJECT ACCEPTANCE THE CONTRACTOR SHALL COMPLETE THE FOLLOWING:
- A. INSTALL ONE CONTROLLER CHART IN CONTROLLER ENCLOSURE. SUBMIT TWO CONTROLLER CHARTS TO PARK MANAGER.
 - B. HAVE BACKFLOW PREVENTER TESTED, INSPECTED AND TAGGED WITH APPROVAL.
 - C. PROVIDE A STATEMENT SHOWING THAT THE WATER BILL FOR THE PROJECT HAS BEEN PAID IN FULL BY THE CONTRACTOR.
 - D. PROVIDE A BILLING STATEMENT FROM THE ELECTRICAL COMPANY SHOWING THAT THE ELECTRIC BILL FOR THE PROJECT HAS BEEN PAID IN FULL BY THE CONTRACTOR AND TRANSFERRED TO THE CITY.
 - E. SUBMIT RECORD (AS-BUILT) DRAWINGS ON MYLAR IN ACCORDANCE WITH THE C.O.A. DPM, CHAPTER 21 WITH AN ELECTRONIC FILE ON AUTOCAD.
 - 1. INCLUDE SQUARE FOOTAGE OF PROJECT.
 - 2. INCLUDE LIST OF PLANTS INSTALLED AND QUANTITY OF EACH.
 - 3. INCLUDE WATER METER ADDRESS.
 - 4. INCLUDE ANY EASEMENTS THAT MAY HAVE BEEN CREATED FOR THE PROJECT (FOR IRRIGATION COMPONENTS OUTSIDE THE RIGHT-OF-WAY).
 - F. PROVIDE KEYS FOR IRRIGATION COMPONENTS TO OWNER.
15. CONTRACTOR SHALL ENSURE COMPLIANCE WITH MAXIMUM HEIGHT OF HARD ELEMENTS PER DETAIL C/3.
16. CONTRACTOR SHALL ENSURE COMPLIANCE WITH MINIMUM HORIZONTAL CLEARANCE PER DETAIL D/3.
17. CONTRACTOR SHALL ENSURE COMPLIANCE WITH CLEAR SIGHT DISTANCES PER DETAILS G/3 AND H/3.
18. NEIGHBORHOOD SIGNS, IF ANY, SHALL BE APPROVED BY THE CITY PROJECT MANAGER AND PARK MANAGEMENT PRIOR TO MANUFACTURE AND INSTALLATION.
19. PRO RATED CHARGES SHALL BE PAID BY THE OWNER.
20. TRAFFIC CONTROL PLANS SHALL BE PER C.O.A. STANDARDS AND MUTCD (MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES).

IRRIGATION PERFORMANCE CRITERIA AND NOTES

1. METER, BACKFLOW PREVENTER, MASTER VALVE, FLOW METER, AND CONTROLLER SHALL BE LOCATED IN THE MEDIAN. LOCATE ADJACENT TO MAINTENANCE VEHICLE PARKING AREA OR NEAR THE NOSE OF THE MEDIAN WHERE A PARKING AREA IS NOT PROVIDED. ELECTRIC METER SHALL BE LOCATED AS IDENTIFIED IN THE FIELD.
2. NO TRENCHING SHALL OCCUR WITHIN ONE (1) FOOT OF BACK OF CURB.
3. MAINLINE AND LATERALS SHALL BE LOCATED A MINIMUM OF FIVE (5) FEET AWAY FROM BASE OF TREES.
4. A RAINBIRD 'AR' OR EQUAL AIR RELIEF VALVE SHALL BE INSTALLED AT LOW POINT OF MAIN LINE.
5. VALVE BOXES SHALL BE LOCATED MINIMUM 6'-0" FROM EDGE OF TREE ROOT BALL.
6. A MINIMUM OF 36-INCHES SHALL BE PROVIDED BETWEEN ADJACENT VALVE BOXES.
7. CONTRACTOR SHALL PROVIDE THREE (3) BUBBLERS PER TREE.
8. CONTRACTOR SHALL PROVIDE TWO (2) BUBBLERS PER VERTICAL SHRUB.
9. CONTRACTOR SHALL PROVIDE ONE (1) BUBBLER PER SHRUB (OTHER THAN VERTICAL SHRUBS).
10. BUBBLERS SHALL BE LOCATED THREE (3) FEET FROM TREE ROOT BALL, TRIANGULATED AROUND THE ROOT BALL.
11. SHRUB HEADS AND TREE HEADS SHALL BE ZONED ON THE SAME VALVE.
12. BUBBLERS SHALL BE 1" ABOVE TOP OF MULCH.
13. CONTRACTOR SHALL VERIFY EXISTING PRESSURE AND ELEVATION DIFFERENCE FROM POINT OF CONNECTION TO EACH END OF THE PROJECT WITH THE CITY PROJECT MANAGER AND SHALL ENSURE THAT THE IRRIGATION SYSTEM IS DESIGNED TO OPERATE PROPERLY WITHIN THE EXISTING PRESSURE, INCLUDING PRESSURE LOSS FROM TAP THROUGH BACKFLOW PREVENTER AND PRESSURE LOSS FROM ELEVATION CHANGE.
14. CONTRACTOR SHALL INSTALL SLEEVES FOR ALL MAINLINE, LATERAL PIPING AND WIRING UNDER PAVED SURFACES. SLEEVES FOR IRRIGATION LINES SHALL BE CLASS 200 PVC. MINIMUM TWO SIZES LARGER THAN PIPE OR SIZE AS REQUIRED TO ACCOMMODATE LENGTH OF RUN. SLEEVES FOR WIRE SHALL BE MIN. 2", OR SIZE AS REQUIRED TO ACCOMMODATE QUANTITY OF WIRE.
15. CONTRACTOR SHALL INSTALL BOULDERS, BOLLARDS, OR OTHER HARD ELEMENT AROUND THE CONTROLLER AND BACKFLOW PREVENTER TO PROTECT THE IRRIGATION COMPONENTS FROM VEHICULAR DAMAGE. CITY PROJECT MANAGER WILL DETERMINE THE APPROPRIATE MATERIAL FOR THE HARD ELEMENT. SEE DETAILS A/2 AND B/2.
16. WATER METER AND SUPPLY LINE BETWEEN METER AND CITY MAIN SHALL BE SAME SIZE AS IRRIGATION MAIN LINE.
17. BACKFLOW PREVENTER SHALL BE THE SAME SIZE AS THE WATER METER AND SUPPLY LINE.
18. BACKFLOW PREVENTER SHALL BE A REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE.
19. BACKFLOW PREVENTER ENCLOSURE SHALL BE 'HOTROK' INSULATED ENCLOSURE WITH HINGED LID AND CLASP FOR LOCK (LOCK BY OWNER).
20. CONTROLLER SHALL BE ONE OF THE FOLLOWING:
- a. IF THERE IS AN EXISTING IRRINET WITHIN COMMUNICATION RANGE OF THE PROJECT SITE, THE CONTROLLER SHALL BE A SCORPIO CONTROLLER.
 - b. IF THERE IS NOT AN EXISTING IRRINET WITHIN COMMUNICATION RANGE OF THE PROJECT SITE, THE CONTROLLER SHALL BE AN IRRINET CONTROLLER WITH KEYPAD.
 - c. IF THERE IS NO ELECTRICAL POWER AVAILABLE FOR THE PROJECT SITE, A SOLAR POWERED CONTROLLER WITH COMPLETE SOLAR ASSEMBLY SHALL BE INSTALLED.
- CONTRACTOR SHALL VERIFY CONTROLLER TYPE WITH THE CITY PROJECT MANAGER.
- A CONTROLLER KEY PAD SHALL BE PROVIDED WITH EACH IRRINET CONTROLLER.
21. SOLAR ASSEMBLY FOR SOLAR POWERED CONTROLLERS SHALL INCLUDE THE FOLLOWING:
- SCORPIOS:**
- 20 WATT SOLAR PANEL
 - 21' 2" GALV. STEEL MOUNTING POST
 - MOUNTING BRACKET
 - CONTROLLER REGULATOR
 - 12 AMP BATTERY
- IRRINET'S:**
- 2 EA. - 75 WATT SOLAR PANEL
 - 21' 4" GALV. STEEL MOUNTING POST
 - MOUNTING HARDWARE
 - CONTROLLER REGULATOR
 - 2 EA. - 125 AMP BATTERY
 - BATTERY ENCLOSURE
- ASSEMBLY SHALL BE CONSTRUCTED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS WITH SOLAR PANEL 6" ABOVE FINISH GRADE.
22. CONTRACTOR SHALL PROVIDE METER, METER PEDESTAL, POWER DROP, AND TWO 120-VOLT, 20 AMP CIRCUITS FROM CLOSEST ELECTRICAL SOURCE TO IRRIGATION CONTROLLER AND BACKFLOW PREVENTER ENCLOSURE (ONE TO EACH). ALL WORK AND MATERIALS SHALL MEET LOCAL CODES AND THE NATIONAL ELECTRIC CODE (NEC.) CONTRACTOR SHALL VERIFY ELECTRICAL SOURCE WITH CITY PROJECT MANAGER. ELECTRIC METER SHALL BE LOCATED AS DIRECTED IN FIELD. CONTRACTOR SHALL VERIFY LOCATION WITH CITY PROJECT MANAGER. POWER DROP SHALL BE PER DTL A/4. METER AND PEDESTAL SHALL BE PER FNM STD DUG. D8-19-T11.
23. BACKFLOW PREVENTER SHALL BE TESTED BY A CERTIFIED REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTION DEVICE TESTER.
24. IRRIGATION LINE CROSSINGS BETWEEN MEDIANS SHALL BE PER DETAIL G/4.
25. A 2" CLEARANCE SHALL BE PROVIDED BETWEEN TOP OF GRAVEL IN VALVE BOX AND BOTTOM OF VALVE AND PIPE. DEPTH OF GRAVEL IN VALVE BOX SHALL BE 6".
26. BLOCKS AT BASE OF VALVE BOXES SHALL BE SOLID CMU 4"x8"x16".



PLANTING NOTES

1. TREES SHALL BE PLANTED PER DETAIL H/4. SHRUBS SHALL BE PLANTED PER DETAIL I/4.
2. IN CASE OF DISCREPANCY IN PLANT QUANTITIES SHOWN ON THE PLANT LIST AND THOSE SHOWN ON THE PLANTING PLAN, THE QUANTITIES SHOWN ON THE PLAN SHALL GOVERN. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID AND INSTALLATION. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY DISCREPANCIES IN QUANTITIES BETWEEN THE PLANTING PLAN AND THE PLANT LIST.
3. IF THERE IS A DISCREPANCY IN THE FIELD OR NURSERY PLANTS BETWEEN THE CONTAINER SIZE CALLED OUT UNDER "REMARKS" AND HEIGHT & SPREAD CALLED OUT UNDER "SIZE", THE SPECIFIED PLANT MUST MEET HEIGHT & SPREAD REQUIREMENTS SPECIFIED UNDER "SIZE", EVEN IF THE LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS AT NO ADDITIONAL COST TO THE OWNER.
4. THE CONTRACTOR SHALL PRUNE LOWER BRANCHES OF DECIDUOUS TREES TO 6 FEET ABOVE FINISH GRADE.
5. BALLED AND BURLAPPED TREES ARE AN ACCEPTABLE SUBSTITUTION FOR BOXED TREES IF PLANT MATERIAL SIZE MEETS THE CALIPER, HEIGHT, AND SPREAD REQUIREMENTS SPECIFIED ON THE PLANT LIST AND MEETS THE REQUIREMENTS OF SPECIFICATION SECTION 1005.
6. UNLESS OTHERWISE SPECIFIED, CLEAR ZONE AT BACK OF CURB (AREA FREE OF PLANTS AND OTHER IMPROVEMENTS) SHALL BE 2'-0".

VALVE SIZING CHART

GPM	VALVE SIZE
0-15	3/4"
16-30	1"
31-70	1 1/2"
71-100	2"
(MAXIMUM VALVE SIZE SHALL BE 2")	

LINE SIZING CHART

GPM	LINE SIZE
0-5	3/4"
> 5-12	1"
> 12-22	1 1/4"
> 22-30	1 1/2"
> 30-50	2"
> 50-10	2 1/2"
(MAXIMUM PIPE SIZE SHALL BE 2 1/2")	

WIRE SIZING CHART: 24 VOLT CONTROL WIRE

LENGTH OF RUN	WIRE SIZE
0-500 LF	12 GA
OVER 500 LF	10 GA

PROJECTED WATER USE

PROTOTYPE	STANDARD 16' WIDE MEDIAN (INCHES / SQ. FT. / YEAR)	WIDE (30') MEDIAN (INCHES / SQ. FT. / YEAR)
A	14	9.1
B	8	4.5
C	20	14.2
D	9	6.2
E	19	13.4
F	23.6	20.5
G	21	14
H	12	6.3
I	-	-
J	4.2	2.3

EXTENDED WARRANTY

CONTRACTOR SHALL PROVIDE A THREE-YEAR WARRANTY ON THE IRRIGATION SYSTEM IN ACCORDANCE WITH CITY OF ALBUQUERQUE SPEC. 10015.24 (SIMILAR - DELETE SUBPARAGRAPH 10015.2.2). WARRANTY SHALL EXTEND 3 YEARS AFTER FINAL PROJECT ACCEPTANCE. CONTRACTOR SHALL ENSURE THAT SYSTEM IS FUNCTIONING PROPERLY, INCLUDING SEASONAL PROGRAMMING OF THE CONTROLLER TO ENSURE THE HEALTH OF THE PLANTS.

3/7/05

**MORROW
READON
WILKINSON, LTD.
LANDSCAPE ARCHITECTS**
2100 N. Yuma NE, Albuquerque, NM 87106
505.265.2266 FAX 505.265.0637
mrw@mrwm.com



**CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
DESIGN DEVELOPMENT DIVISION**

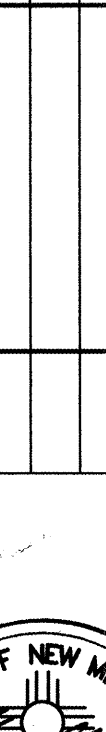
PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-04B

NOTES AND DETAILS

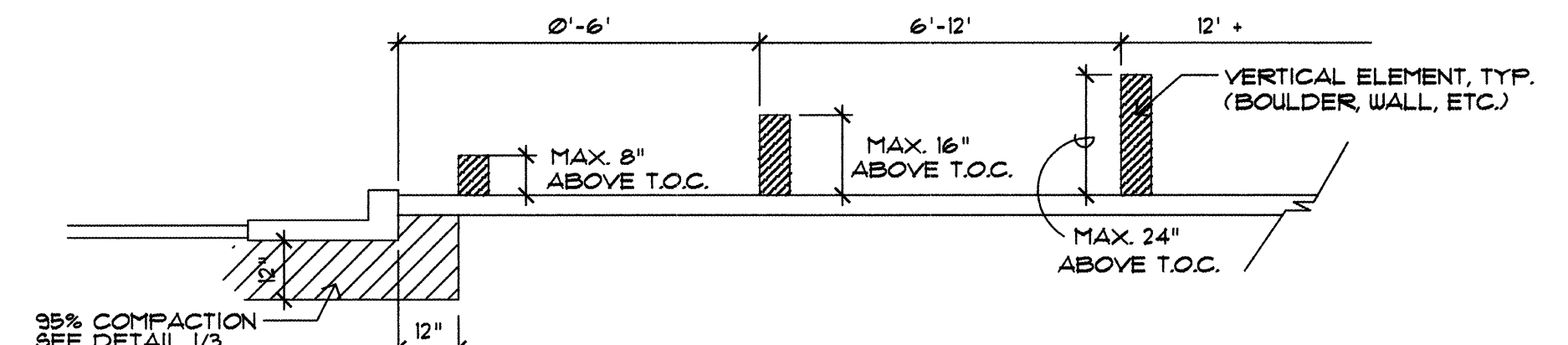
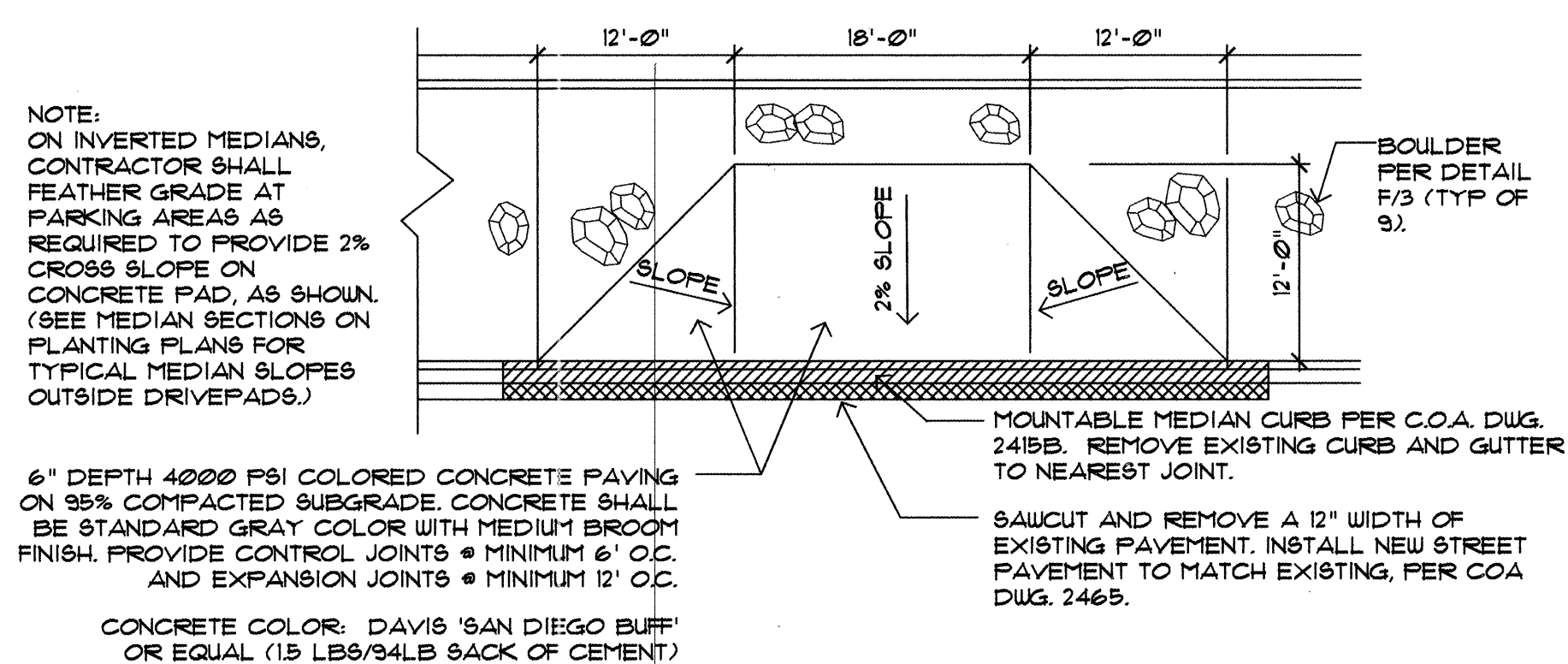
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED FEB 09 2005 DESIGN REVIEW COMMITTEE	APPROVED FEB 09 2005 CITY ENGINEER		
City Project	Zone Map No.	Sheet	

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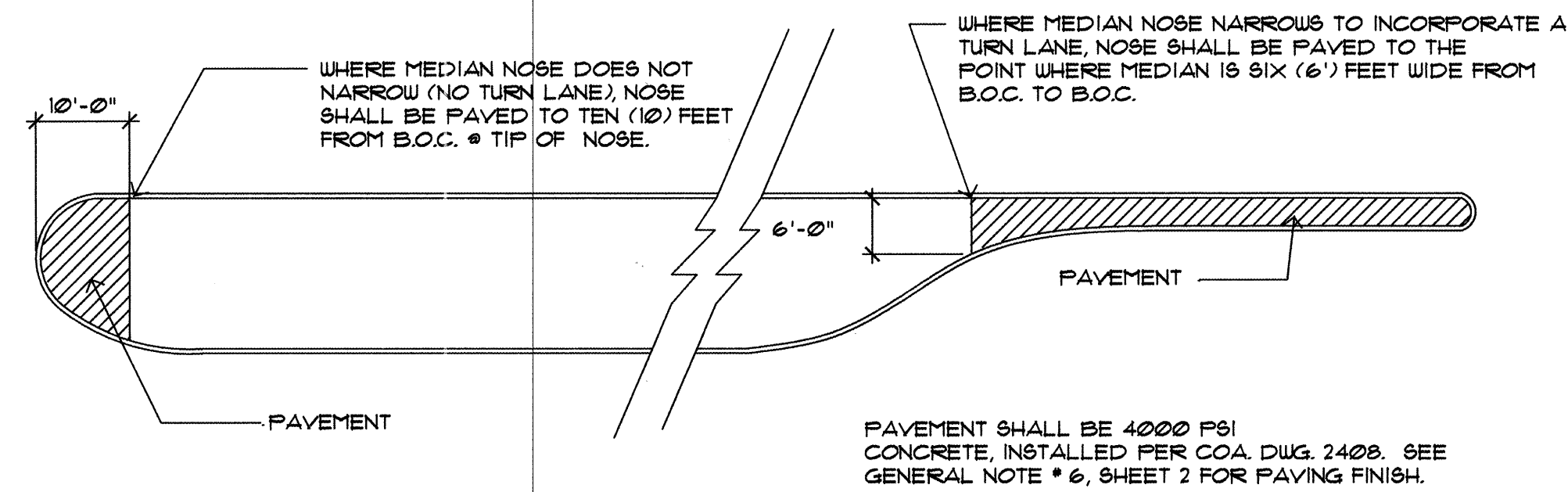
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AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS		NO. DATE		REMARKS		BY		WILSON & COMPANY, ENGINEERS & ARCHITECTS		DESIGNED BY		DATE		DRAWN BY		DATE		CHECKED BY		DATE	
CONTRACTOR				FIELD NOTES				REVIEWS										ECR/MAK		FEBRUARY 2005		DATE		FEBRUARY 2005		DATE		FEBRUARY 2005	
WORKED BY				NO.														EAC/MAK		DATE		FEBRUARY 2005		DATE		FEBRUARY 2005			
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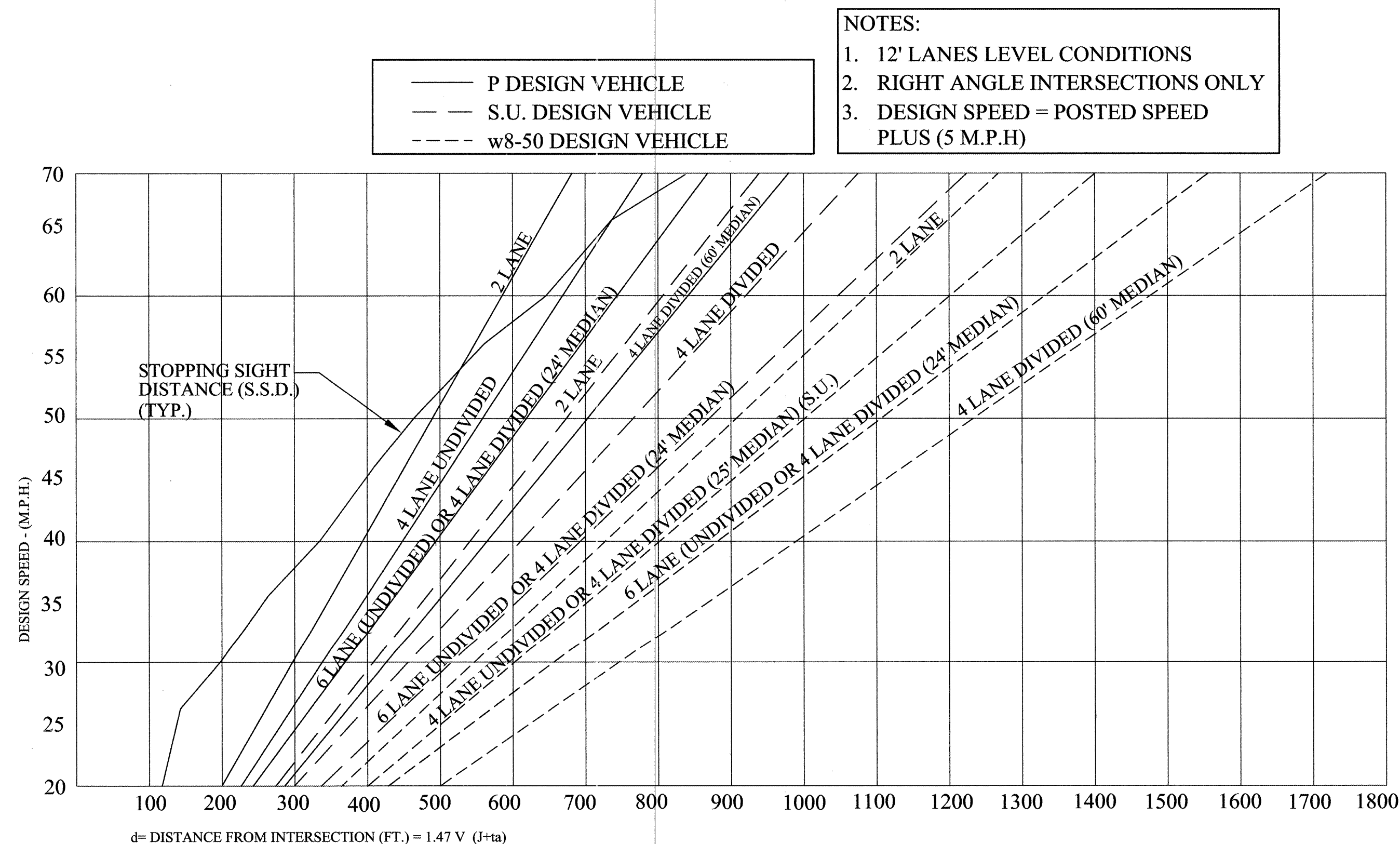
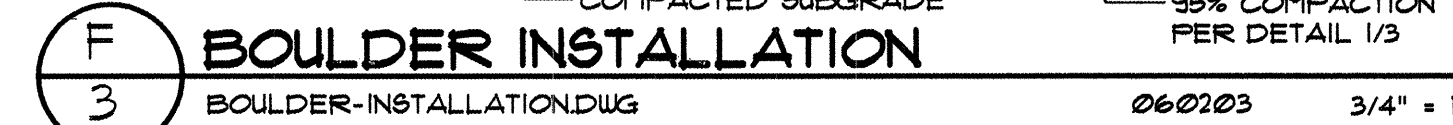




(B)
3 TYP. PARKING AREA FOR MAINTENANCE VEHICLES:
MID-BLOCK LOCATION (SECONDARY OPTION) 1" = 10'-0"
MAINT.-VEH-PARKING-DETAIL.DWG 042403



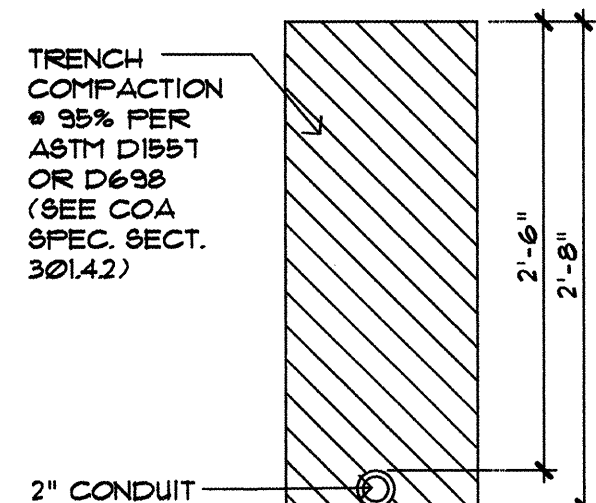
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3
PAVING: @ MEDIAN NOSES
 PAVING MEDIAN-NOSES.DWG 042503 1/16" = 1'-0"



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SIGHT DISTANCE CHART
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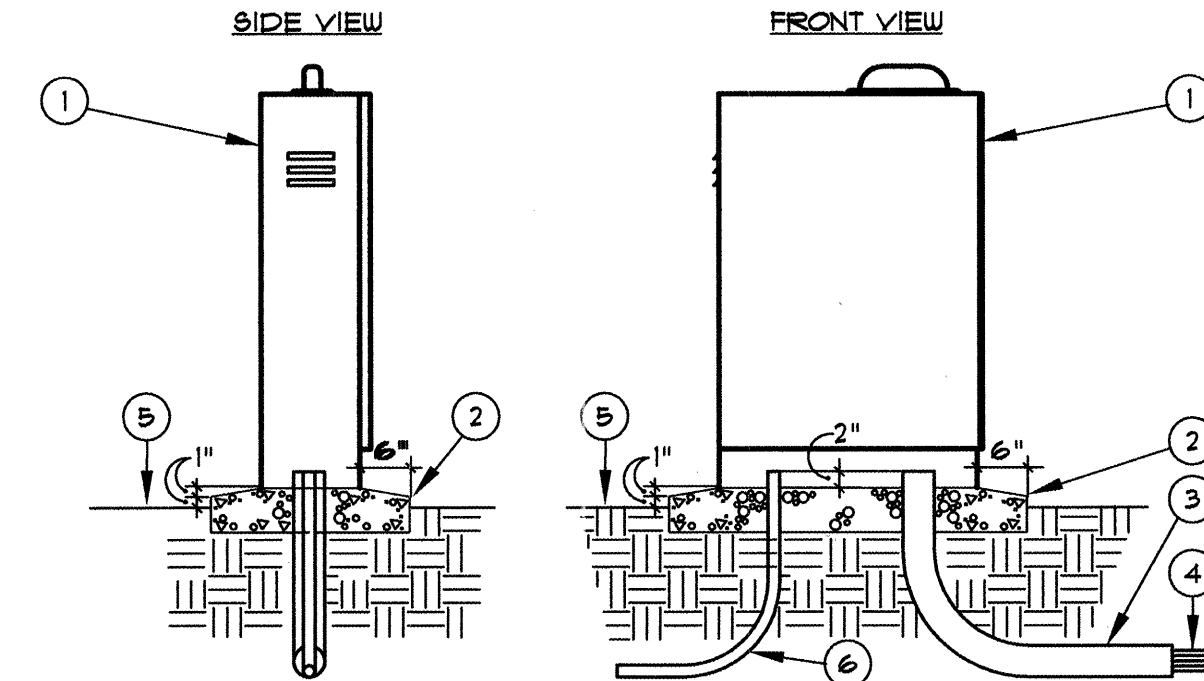
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1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH PUBLIC SERVICE COMPANY OF NEW MEXICO FOR POLE LOCATION AND SERVICE REQUIREMENTS, COMPLY AS NECESSARY.
2. ALL ELECTRICAL CONDUITS SHALL BE INSTALLED A MINIMUM OF 30" BELOW GRADE. COORDINATE WITH LANDSCAPE AND IRRIGATION PIPING TO PREVENT CONFLICTS.
3. CONDUCTIVITY SHALL BE VERIFIED WITH FNM ON WHICH QUADRANT OF POLE RISER IS TO BE LOCATED.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO BID SO AS TO INFORM HIMSELF OF EXISTING CONDITIONS AFFECTING HIS BID.
5. CONTRACTOR SHALL MOUNT 1" DIAMETER RISER DIRECTLY ONTO POWER POLE USING U-CLAMPS INSTALLED 30" ON CENTER THROUGHOUT RISER LENGTH.
6. THE CONTRACTOR SHALL USE AN APPROVED, UNBROKEN CONDUIT COMPLETE WITH WIRE FROM THE SERVICE POINT TO THE FUSE DISCONNECT SWITCH AND UNBROKEN CONDUIT FROM THE FUSE DISCONNECT TO THREE (3) FEET BELOW GRADE OF FNM'S POLE.



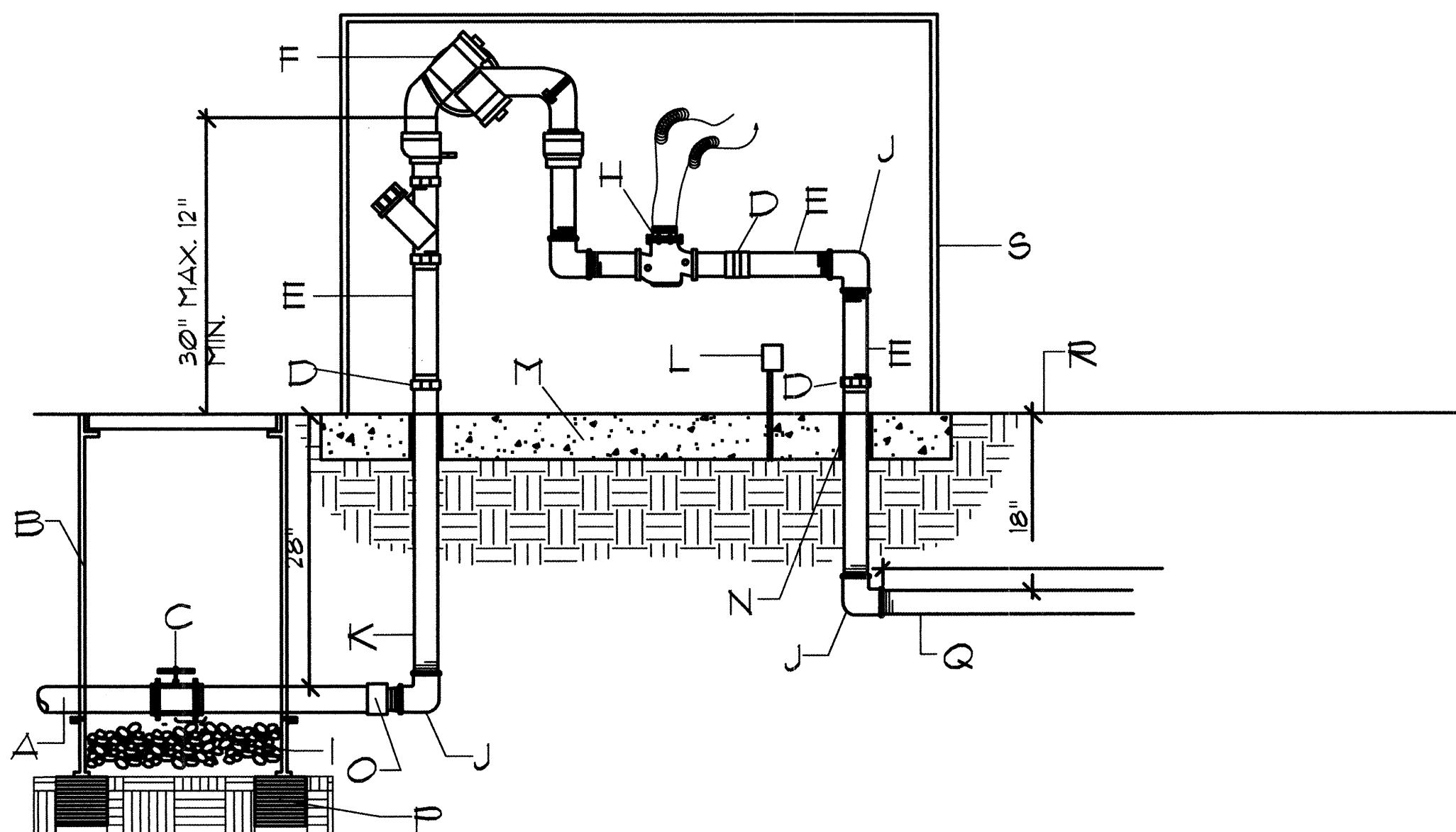
KEYED NOTES

- (A) 1" RGS CONDUIT W/ 2 1/2 % CU. USE
CABLE FROM DISCONNECT SWITCH
POLE TO POWER CONNECT POINT.
LEAVE ENOUGH CABLE EXPOSED SO
FNM CAN TERMINATE LATER
- (B) RUSHD DISCONNECT SWITCH-1 POLE,
120 VOLT, FUSED WITH 50 AMP (MAX).
FUSES, WEATHERPROOF, AND
LOCKABLE. INSTALL ON FNM POLE
AT 10' (MIN.) HEIGHT.
- (C) 1" RGS CONDUIT WITH 2 1/2 % CU. USE
CABLE FROM DISCONNECT SWITCH
DOWN POLE THEN UNDERGROUND
TO THE IRRIGATION SYSTEM
CONTROL BOX.



- ① IRRIGATION CONTROLLER WITH PEDESTAL, SEE IRRIGATION LEGEND.
- ② 4000 PSI CONCRETE BASE.
- ③ 4" RIGID PVC LONG SWEEP ELL.
- ④ 24-VOLT WIRES FROM CONTROLLER TO AUTOMATIC VALVES, SEE SPECIFICATIONS.
- ⑤ FINISH GRADE.
- ⑥ 1/2" VOLT SERVICE IN CONDUIT, PER N.E.C.

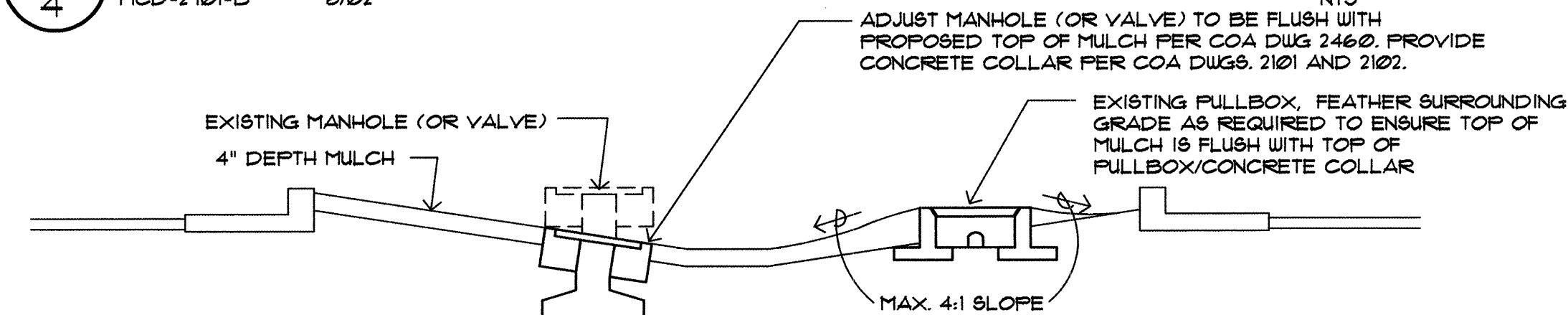
B IRRIGATION CONTROLLER AND PEDESTAL



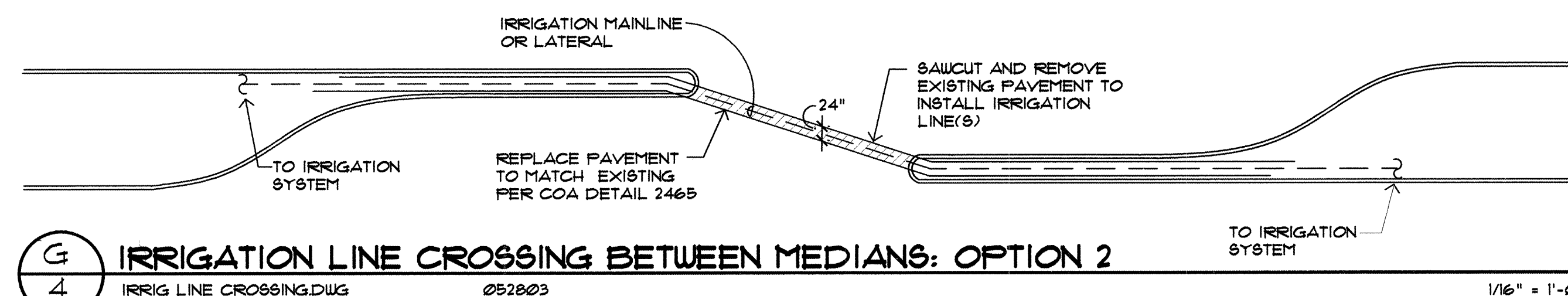
- A. SERVICE LINE TO WATER METER
- B. BROOKS PRODUCTS INC.
1130 FB-IBBODY (ABS) VALVE BOX W/ BOLT
DOWN COVER (ABS) AND ONE 8" EXTENSION
- C. TRUE UNION SCHEDULE 80 PVC BALL VALVE
- D. GALVANIZED UNION (min. 4" above grade)
- E. GALVANIZED NIPPLE
- F. FEBCO MODEL 825YA RFBP BACKFLOW
PREVENTER
- H. ARAD FLOWMETER/MASTER VALVE

- J. GALVANIZED ELL
- K. GALVANIZED RISER
- L. 100V ELECTRICAL OUTLET FOR HEATED PROTECTIVE ENCLOSURE. PLACE AWAY FROM RELIEF VALVE.
- M. MIN. 4" 4000 PSI CONCRETE SLAB.
- N. FVC SLEEVING + INSULATION (MIN. 1" THICK).
- O. FVC MIP ADAPTER
- P. 8" x 8" x 16" SOLID CMU BLOCK
- Q. NON-CONSTANT PRESSURE IRRIGATION MAINLINE.
- R. FINISH GRADE.
- S. PROTECTIVE ENCLOSURE

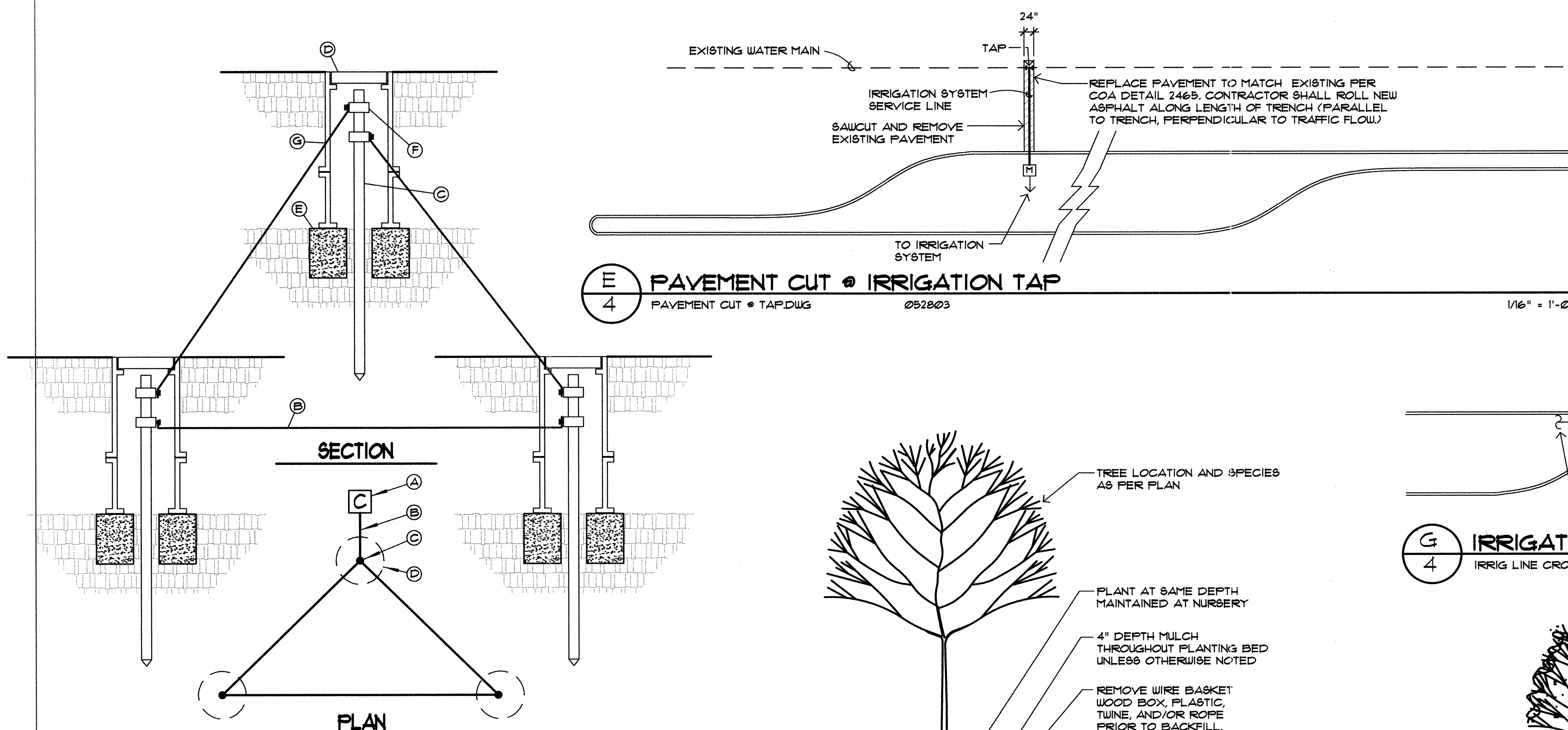
C RPBA WITH MASTER VALVE & FLOW METER
4 MCD-2701-B 8/02



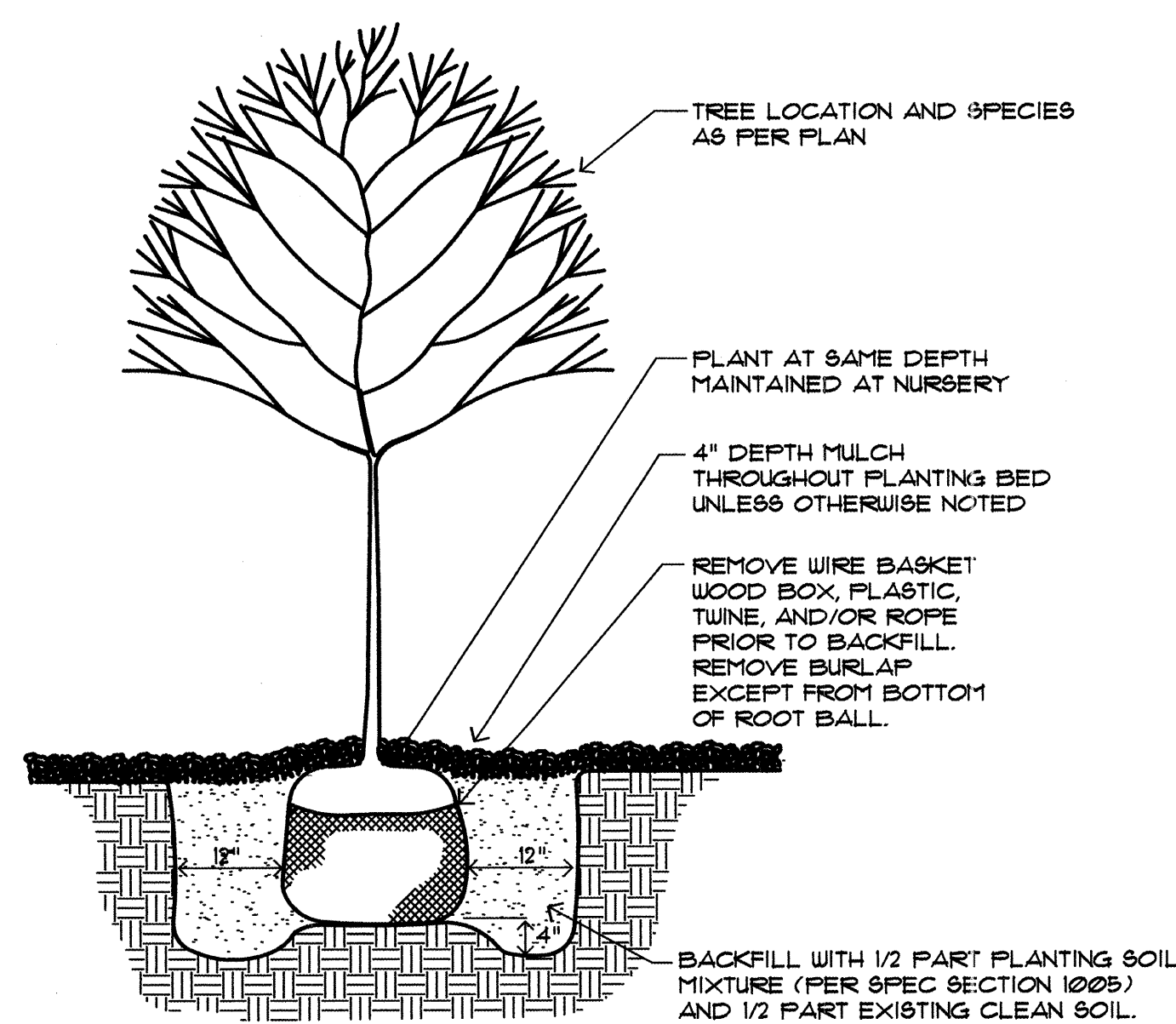
F **ADJUSTMENT OF EXISTING UTILITY STRUCTURES**
4 UTILITY STRUCTURES ADJUST.DWG 052803



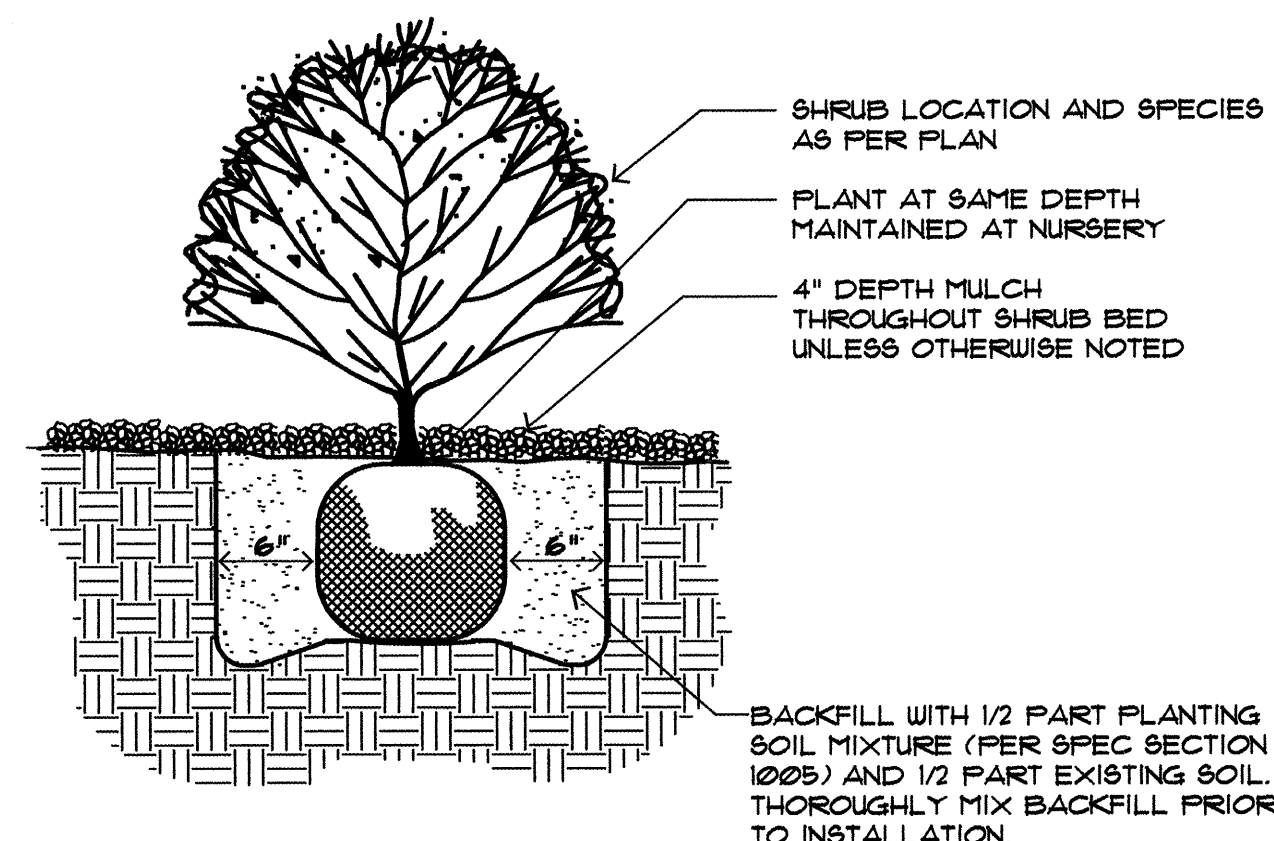
4 IRRIGATION LINE CROSSING BETWEEN MEDIANS: OPTION 2



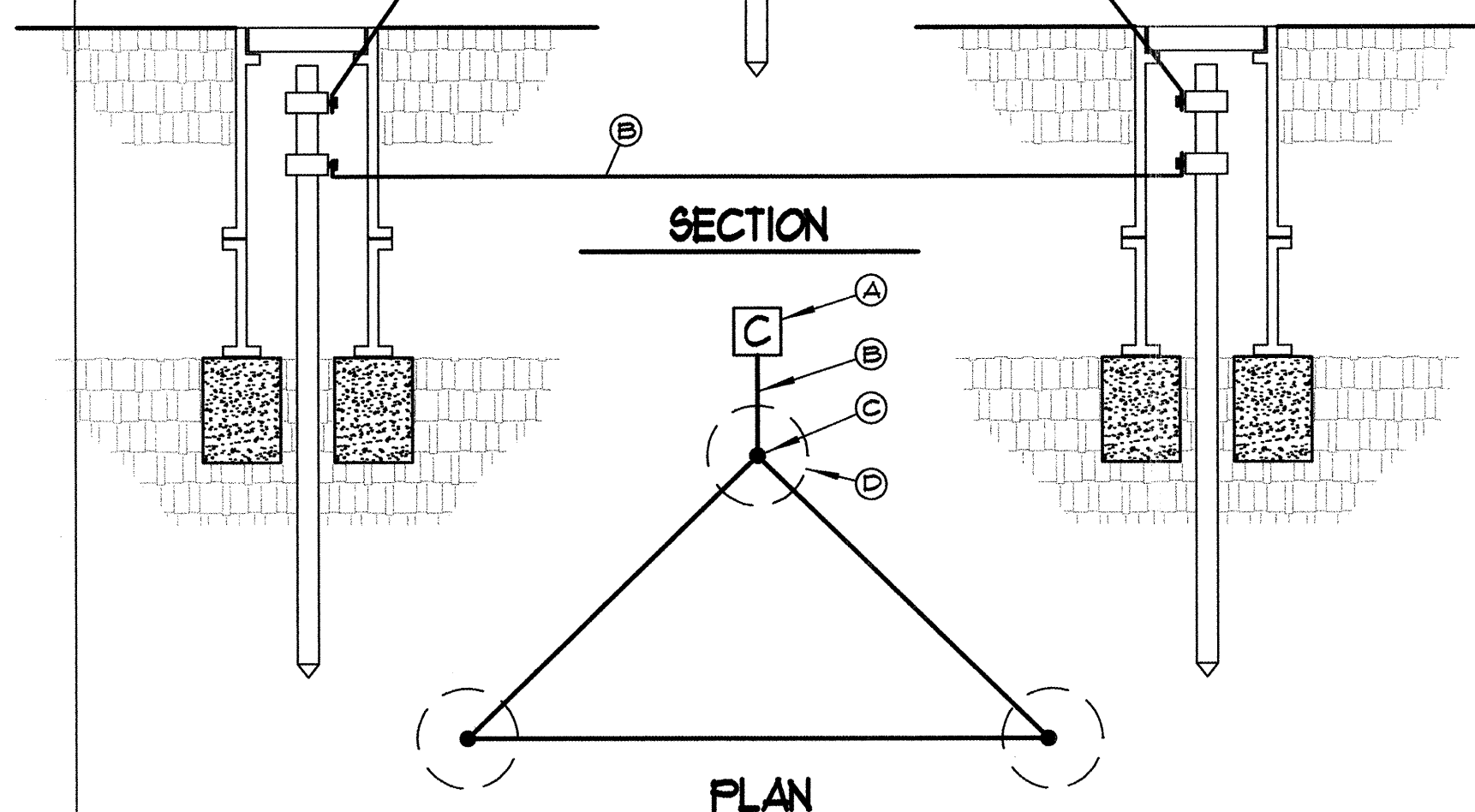
E
4
PAYEMENT CUT • IRRIGATION TAP
 PAYEMENT CUT • TAP.DWG 052803



4 TREE PLANTING DETAIL
MCD-0170 110395



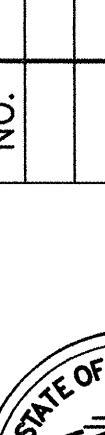
1 SHRUB PLANTING DETAIL



KEY (TYPICAL)

- (A) IRRIGATION CONTROLLER. SEE IRRIGATION LEGEND.
- (B) MAIN WIRE FROM IRRIGATION CONTROLLER TO GROUND ROD CLAMP. WIRE SHALL BE INSTALLED STRAIGHT AND TAUT.
- (C) 8" LENGTH GROUND ROD, FLANGE IN IRRIGATED AREA A MINIMUM OF 16" FROM ONE ANOTHER W/ ONE ROD 12" FROM CONTROLLER.
(OPTION: REPLACE GROUNDING RODS W/ 1 EA. 1/8" X 12" X 18" COPPER, OR 12" X 12" X 18" COPPER W/ 1/2" FLANGE TO FLANGE.)
- (D) 1" DIAMETER X 9" DEEP BROOKS 100 SERIES VALVE BOX WITH COVER.
- (E) 8"x8"x16" SOLID CMU BLOCK.
- (F) GROUND ROD CLAMP.
- (G) DRILL A SMALL OPENING IN VALVE BOX TO MAINTAIN WIRE TAUTNESS.

CONTROLLER GROUNDING DETAIL

PROJECT DEPARTMENT DIVISION LANDSCAPES FY-04B SALS	ARCHITECTURAL SEAL 		SURVEY INFORMATION FIELD NOTES		BENCH MARKS		AS-BUILT INFORMATION	
	ECR		NO.		BY		DATE	
	NO.		DATE		REMARKS		WORK INSPECTED BY DATE	
	NO.		DATE		REVISIONS		ACCEPTANCE BY DATE	
	NO.		DATE		WILSON & COMPANY, ENGINEERS & ARCHITECTS		VERIFICATION BY DATE	
	NO.		DATE		DESIGNED BY		DRAWINGS DATE	
	NO.		DATE		DRAWN BY		MICRO-FILM INFORMATION	
	NO.		DATE		ECR/MAK		RECORDED BY DATE	
	NO.		DATE		EAC/MAK		NO.	
	NO.		DATE		FEBRUARY 2005		NO.	

CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
DESIGN DEVELOPMENT DIVISION

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-04B

STANDARD DETAILS

Design Review Committee

APPROVED

FEB 09 2005

DESIGN
REVIEW COMMITTEE

City Engineer Approve

APPROVE

FEB 09 2005

CITY ENGINEER

Last Design Update

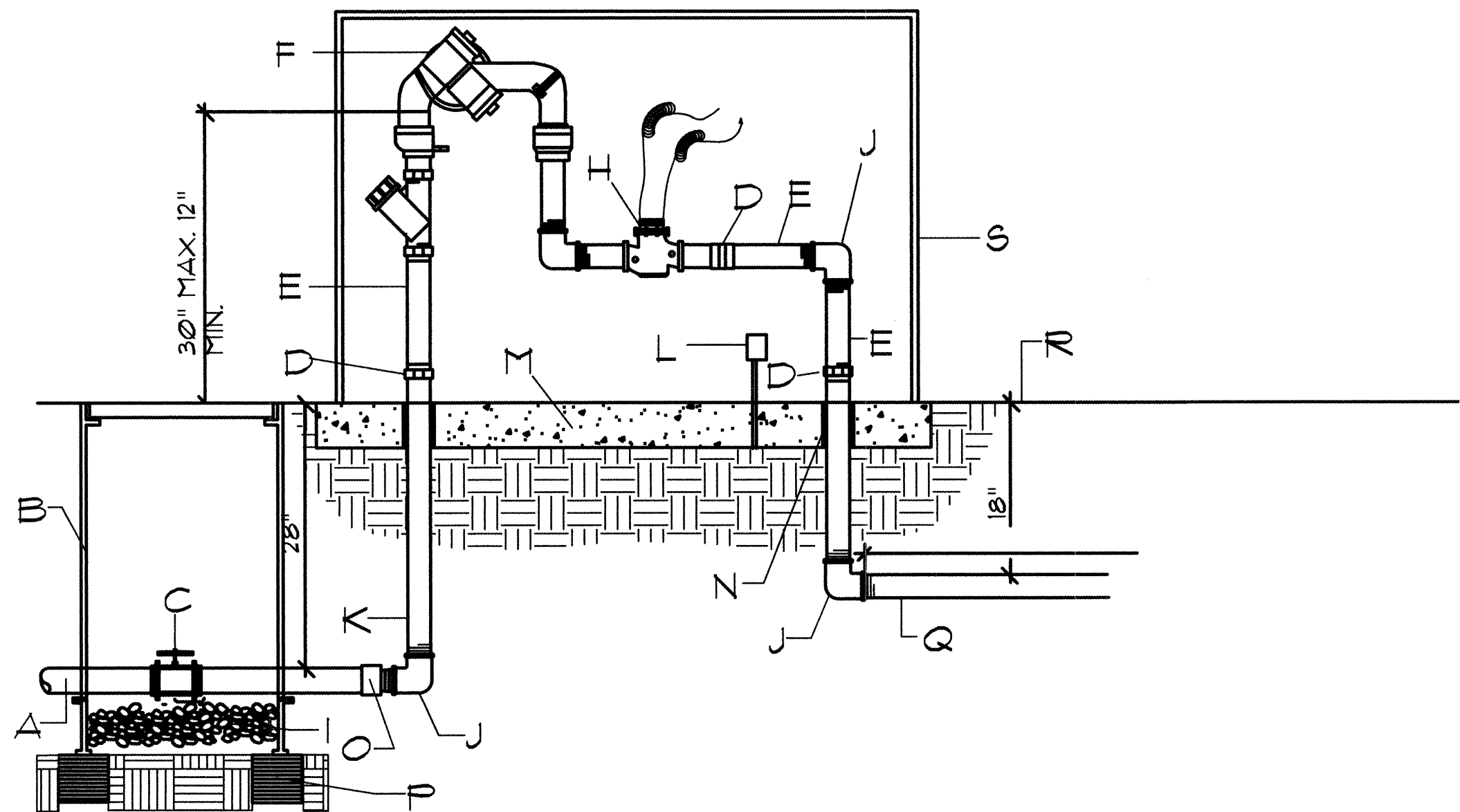
City Project No.

Zone Map No.	
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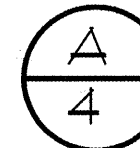
MASTER PLANT LIST

KEY	COMMON NAME	BOTANICAL NAME	INSTALLED	SIZE	MATURE	REMARKS	WATER USE
SHADE TREES							
APA	Autumn Purple Ash	Fraxinus americana 'Autumn Purple'	2" cal, 12' - 14' ht.	40' ht, 25' spd.	30" Box		3
AS	Arizona Sycamore	Plantanus wrightii	2" cal, 12' - 14' ht.	50' ht, 30' spd.	30" Box		3
CP	Chinese Pistache	Pistacia chinensis	2" cal, 12' - 14' ht.	40' ht, 25' spd.	30" Box		3
HL	Honey Locust	Gleditsia triacanthos inermis spp.	2" cal, 12' - 14' ht.	50' ht, 25' spd.	30" Box		3
LB	Lacebark Elm	Ulmus parvifolia	2" cal, 12' - 14' ht.	30' ht, 25' spd.	30" Box		3
MA	Fraxinus velutina 'Modesto'	Modesto Ash	2" cal, 12' - 14' ht.	40' ht, 25' spd.	30" Box		3
RA	Raywood Ash	Fraxinus oxycarpa 'Raywood'	2" cal, 12' - 14' ht.	30' ht, 25' spd.	30" Box		3
WH	Western Hackberry	Celtis occidentalis	2" cal, 12' - 14' ht.	30' ht, 30' spd.	30" Box		3
EVERGREEN TREES							
AP	Austrian Pine	Pinus nigra	5' - 7' ht.	30' ht, 20' spd.	30" Box		3
LP	Limber Pine	Pinus flexilis	5' - 7' ht.	20' ht, 4' spd.	30" Box		3
SP	Scotch Pine	Pinus sylvestris 'Albyn'	5' - 7' ht.	50' ht, 30' spd.	30" Box		3
ACCENT TREES							
BC	Bechtel Crabapple	Malus ioensis 'Bechtel'	2" cal, 10'-12' ht.	25' ht, 20' spd.	30" Box		3
DW	Desert Willow	Chilopsis linearis	8' - 10' ht.	25' ht, 20' spd.	30" Box, Multi-Trunk		3
GO	Gambel Oak	Quercus gambelii	8' - 10' ht.	25' ht, 20' spd.	30" Box		3
GRT	Goldenrain Tree	Goldenrain Tree	2" cal, 10'-12' ht.	25' ht, 20' spd.	30" Box		3
OP	Ornamental Pear	Pyrus calleryana spp.	2" cal, 10'-12' ht.	25' ht, 20' spd.	30" Box		3
SH	Sunburst Honey Locust	Gleditsia triacanthos inermis 'Sunburst'	2" cal, 10'-12' ht.	25' ht, 20' spd.	30" Box		3
SO	Shumard Oak	Quercus shumardii	2" cal, 12' - 14' ht.	30' ht, 25' spd.	30" Box		3
ST	Smoke Tree	Cotinus coggygria	6'-8' ht.	20' ht, 4' spd.	24" Box		3
TH	Thornless Hawthorn	Crataegus crusgalli inermis	2" cal, 10'-12' ht.	25' ht, 20' spd.	30" Box		3
VERTICAL SHRUBS							
BB	Butterfly Bush	Buddleia spp.	Min. 18" ht.	6' ht, 4' spd.	5-Gal.		3
FB	Fern Bush	Chamaebatiaria millefolium	Min. 18" ht.	6' ht, 4' spd.	5-Gal.		3
GC	Golden Currant	Ribes aureum	Min. 18" ht.	5' ht, 4' spd.	5-Gal.		3
MM	Mountain Mahogany	Cercocarpus montanus	Min. 18" ht.	10' ht, 4' spd.	5-Gal.		3
LLS	Littleleaf Sumac	Rhus microphylla	Min. 12" ht.	8' ht, 4' spd.	5-Gal.		3
NMO	New Mexico Olive	Foresteria neomexicana	5' - 7' ht.	15' ht, 10' spd.	15-Gal.		3
SB	Spanish Broom	Spartium junceum	Min. 18" ht.	8' ht, 6' spd.	5-Gal.		3
VI	Vitex	Vitex agnus-castus	5' - 7' ht.	15' ht, 15' spd.	15-Gal.		3
LARGE SHRUBS/ORNAMENTAL GRASSES							
APL	Apache Plume	Fallugia paradoxa	Min. 18" ht.	5' ht, 4' spd.	5-Gal.		3
AR	Arp Rosemary	Rosmarinus officinalis 'Arp'	Min. 18" ht.	4' ht, 3' spd.	5-Gal.		3
BG	Bear Grass	Nolina texana	Min. 18" ht.	3' ht, 4' spd.	5-Gal.		3
BM	Blues Mist	Caryopteris x clandonensis	Min. 18" ht.	4' ht, 4' spd.	5-Gal.		3
MG	Maiden Grass	Miscanthus sinensis 'Gracillimus'	Min. 18" spd.	6' ht, 3' spd.	5-Gal.		3
LB	Lena's Broom	Cystisus scoparius x dallimorei 'Lena'	Min. 12" spd.	4' ht, 4' spd.	5-Gal.		3
PG	Pampas Grass	Cortaderia selloana	Min. 18" ht.	10' ht, 4' spd.	5-Gal.		3
R	Rubber Rabbitbrush	Chrysothamnus nauseosus	Min. 18" ht.	6' ht, 4' spd.	5-Gal.		3
RS	Russian Sage	Perovskia atriplicifolia	Min. 18" ht.	3' ht, 4' spd.	5-Gal.		3
RY	Red Yucca	Heperaloe parviflora	Min. 18" ht.	4' ht, 4' spd.	5-Gal.		3
S	Sotol	Dasylirion wheeleri	Min. 18" ht.	4' ht, 4' spd.	5-Gal.		3
SG	Switchgrass	Panicum virgatum	Min. 12" ht.	4' ht, 3' spd.	5-Gal.		3
TS	Texas Sage	Leucophyllum frutescens spp.	Min. 18" ht.	5' ht, 4' spd.	5-Gal.		3
TLG	Three-leaf Sumac	Rhus trilobata	Min. 18" ht.	5' ht, 4' spd.	5-Gal.		3
SMALL SHRUBS/ORNAMENTAL GRASSES							
BA	Blue Avena	Helictotrichon sempervirens	Min. 8" ht.	2' ht, 4' spd.	5-Gal.		3
BD	Broom Dalea	Psoralea scoparius	Min. 12" ht.	3' ht, 4' spd.	5-Gal.		3
CS	Cherry Sage	Salvia greggii	Min. 12" spd.	3' ht, 4' spd.	5-Gal.		3
DR	Dwarf Rabbitbrush	Chrysothamnus nauseosus nauseosus	Min. 8" ht.	2' ht, 4' spd.	5-Gal.		3
F	Feathergrass	Stipa capillata	Min. 8" ht.	18" ht, 4' spd.	5-Gal.		3
FG	Forster's Grass	Calamagrostis arundinacea	Min. 8" spd.	2' ht, 4' spd.	5-Gal.		3
IR	Irene Rosemary	Rosmarinus officinalis 'Irene'	Min. 12" spd.	18" ht, 3' spd.	5-Gal.		3
LBG	Little Bluestem	Andropogon scoparium	Min. 8" ht.	2' ht, 4' spd.	5-Gal.		3
LV	Lavender	Lavandula angustifolia spp.	Min. 6" ht.	2' ht, 4' spd.	2-Gal.		3
RM	Regal Mist	Muhlenbergia capillaris	Min. 10" spd.	3' ht, 4' spd.	5-Gal.		3
SC	Shrubby Cinquefoil	Potentilla fruticosa	Min. 12" ht.	3' ht, 4' spd.	5-Gal.		3
SWY	Soapweed Yucca	Yucca glauca	Min. 18" ht.	3' ht, 4' spd.	5-Gal.		3
W	Winterfat	Eurotia lanata	Min. 6" ht.	2' ht, 4' spd.	5-Gal.		3
ZG	Zebra Grass	Miscanthus sinensis 'Zelbrinus'	Min. 12" spd.	4' ht, 4' spd.	5-Gal.		3
GROUNDCOVERS							
AJ	Arcadia Juniper	Juniperus sabinia 'Arcadia'	Min. 10" spd.	2' ht, 4' spd.	5-Gal.		3
BF	Blue Fescue	Festuca ovina 'Glaucia'	Min. 6" ht.	12" ht, 4' spd.	5-Gal.		3
BJ	Buffalo Juniper	Juniperus sabinia 'Buffalo'	Min. 12" spd.	12" ht, 6' spd.	5-Gal.		3
IRG	Indian Rice Grass	Oryzopsis hymenoides	Min. 12" ht.	4' ht, 4' spd.	5-Gal.		3
PS	Prairie Sage	Artemesia ludoviciana	Min. 8" spd.	2' ht, 4' spd.	5-Gal.		3
SJ	Scandia Juniper	Juniperus sabinia 'Scandia'	Min. 10" spd.	12" ht, 6' spd.	5-Gal.		3
CACTI							
BLC	Bailey's Lace Cactus	Echinocereus reichenbachii v. baileyi	Min. 2" ht.	6" ht, 4' spd.	1-Gal.		3
CCC	Claret Cup Cactus	Echinocereus triglochidiatus	Min. 3" ht.	6" ht, 8' spd.	1-Gal.		3
NRH	New Mexico Rainbow Hedgehog	Echinocereus dasyacanthus	Min. 3" ht.	10" ht, 4" spd.	1-Gal.		3
SH	Royal George Spiney Hedgehog	Echinocereus coccineus	Min. 3" ht.	12" ht, 18" spd.	1-Gal.		3
PERENNIALS							
BFL	Blanketflower	Gaillardia x grandiflora	Min. 6" ht.	12" ht, 4' spd.	1-Gal.		3
BP	Bush Penstemon	Penstemon ambiguus	Min. 6" ht.	2' ht, 4' spd.	1-Gal.		3
BM	Bowles Mauve	Erysimum 'Bowles Mauve'	Min. 10" ht.	2' ht, 4' spd.	1-Gal.		3
CM	Catmint	Nepita faassenii	Min. 6" spd.	2' ht, 4' spd.	1-Gal.		3
GF	Gayfeather	Liatris punctata	Min. 6" ht.	18" ht, 4' spd.	1-Gal.		3
GM	Globe Mallow	Sphaeralcea munroana	Min. 6" ht.	3' ht, 2' spd.	1-Gal.		3
GS	Groundsel	Senecio longilobus	Min. 6" ht.	2' ht, 4' spd.	1-Gal.		3
MP	Mexican Primrose	Oenothera speciosa 'Rosea'	Min. 6" ht.	10" ht, 18" spd.	1-Gal.		3
FFL	Paperflower	Feliosotrophe tagetina	Min. 6" ht.	12" ht, 2' spd.	1-Gal.		3
PIP	Purple Ice Plant	Delosperma cooperi	Min. 6" spd.	6" ht, 18" spd.	1-Gal.		3
RHP	Red Hot Poker	Kniphofia uvaria	Min. 6" ht.	3' ht, 4' spd.	1-Gal.		3
SW	Soapwort	Saponaria x lempergii	Min. 6" spd.	6" ht, 18" spd.	1-Gal.		3
V	Verbena	Verbena canadensis	Min. 6" ht.	12" ht, 4' spd.	1-Gal.		3
Y	Yarrow	Achillea filipendulina	Min. 6" ht.	3' ht, 2' spd.	1-Gal.		3



CONSTRUCTION NOTES:

- SERVICE LINE TO WATER METER
- BROOKS PRODUCTS INC. 1130 FB-18 BODY (ABS) VALVE BOX W/ BOLT DOWN COVER (ABS) AND ONE 8" EXTENSION
- TRUE UNION SCHEDULE 80 PVC BALL VALVE
- GALVANIZED UNION (min. 4" above grade)
- GALVANIZED NIPPLE
- FEBCO MODEL 825A RPBP BACKFLOW PREVENTER
- ARAD FLOWMETER/MASTER VALVE
- GALVANIZED ELL
- GALVANIZED RISER
- 110V ELECTRICAL OUTLET FOR HEATED PROTECTIVE ENCLOSURE. PLACE AWAY FROM RELIEF VALVE.
- MIN. 4" 4000 PSI CONCRETE SLAB.
- PVC SLEEVING & INSULATION (MIN. 1" THICK).
- PVC MIP ADAPTER
- 8" x 8" x 16" SOLID CMU BLOCK.
- NON-CONSTANT PRESSURE IRRIGATION MAINLINE.
- FINISH GRADE.
- PROTECTIVE ENCLOSURE



RPBA WITH MASTER VALVE & FLOW METER

MCD-2701-B

8/02

NTS

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL	
CONTRACTOR	DATE	NO.	BY	NO.	BY	NO.	BY
WORK BY	DATE						
INSPECTED BY	DATE						
ACCEPTANCE BY	DATE						
VERIFICATION BY	DATE						
DRAWINGS CHECKED BY	DATE						
MICRO-FILM INFORMATION	DATE						
RECORDED BY	DATE						
NO.							

REVISIONS		REMARKS	
NO.	DATE	NO.	DATE
1		1	
2		2	
3		3	
4		4	
5		5	
6		6	
7		7	
8		8	
9		9	
10		10	

210 La Jolla NE, Albuquerque, NM 87108
505.268.2266 FAX 505.265.9637
mrw@mrwm.com

CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
DESIGN DEVELOPMENT DIVISION

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-04B
MASTER PLANT LIST

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED FEB 09 2005	APPROVED FEB 09 2005		
DESIGN REVIEW COMMITTEE	CITY ENGINEER		
City Project No.	Zone Map No.	Sheet	
754600		5 of 25	





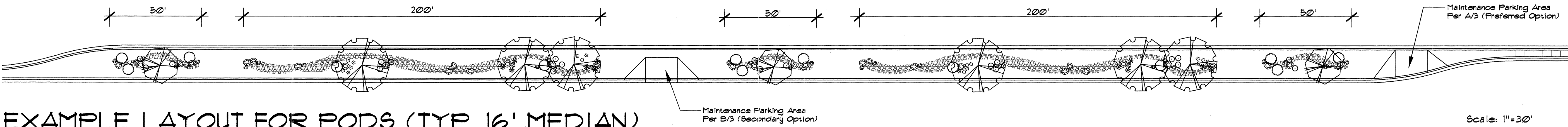
*Trees designated as "alternate species - wide medians only" shall be installed only in medians of minimum 25' width and 100' length.



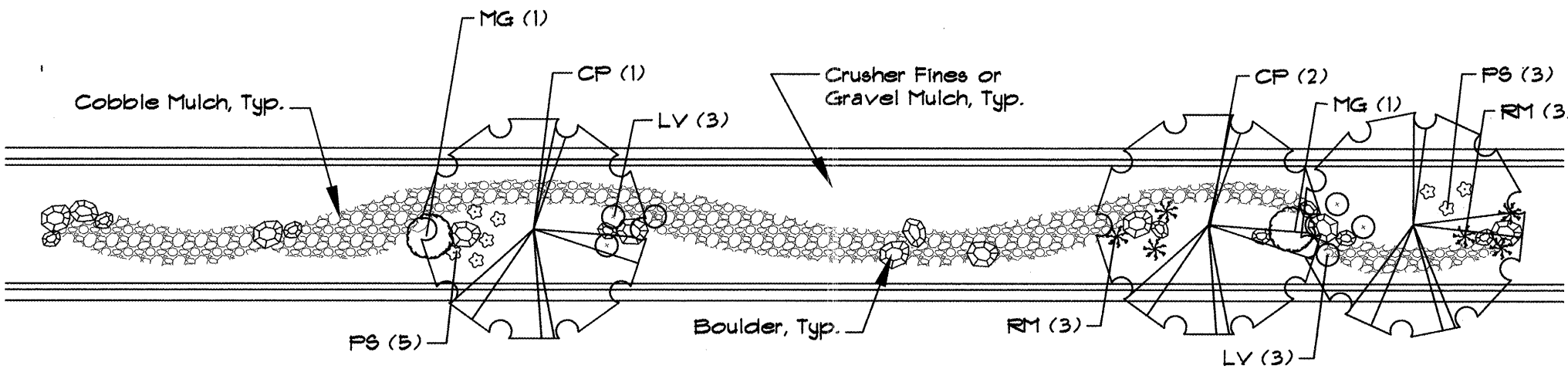


1. SEE SHEET 2 FOR GENERAL IRRIGATION NOTES.
2. CONTRACTOR SHALL SIZE THE IRRIGATION COMPONENTS IN ACCORDANCE WITH THE IRRIGATION SIZING CRITERIA, SHEET 2.
3. BUBBLERS ARE SHOWN DIRECTLY ON TOP OF SHRUBS FOR CLARITY OF DESIGN ONLY. BUBBLERS SHALL BE LOCATED 12" FROM THE SHRUB ROOT BALL.
4. UNIT PRICE BID ITEM FOR EACH POD INCLUDES BUBBLERS AND RELATED INCIDENTAL COMPONENTS ONLY. BALANCE OF IRRIGATION COMPONENTS (MAIN LINE, WIRE, BACKFLOW PREVENTER, GATE VALVE, METER, TAP, SERVICE LINE, CONTROL VALVES & LATERAL LINES) ARE BID AS SEPARATE UNIT BID ITEMS. FITTINGS AND OTHER IRRIGATION COMPONENTS REQUIRED TO INSTALL INDIVIDUAL BID ITEMS SHALL BE INCIDENTAL TO THE WORK AND INCLUDED AT NO ADDITIONAL COST TO THE OWNER.

Design Review Committee		City Engineer Approval		Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
						
DESIGN REVIEW COMMITTEE		CITY ENGINEER				
City Project No.		Zone Map No.			Sheet	
754600						7 of 25

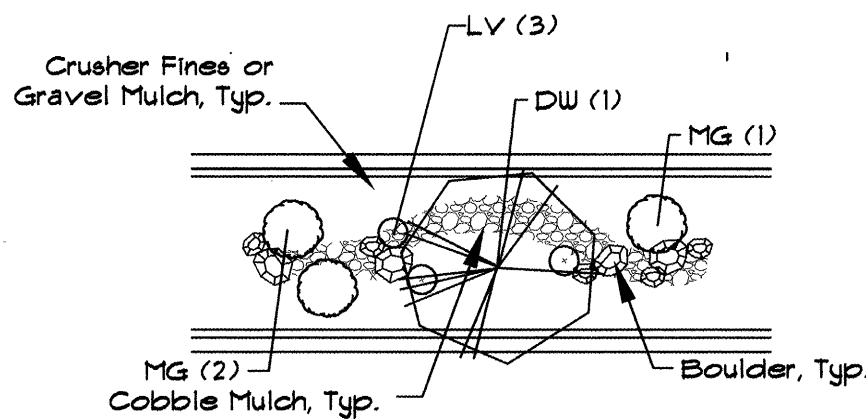


EXAMPLE LAYOUT FOR PODS (TYP. 16' MEDIAN)



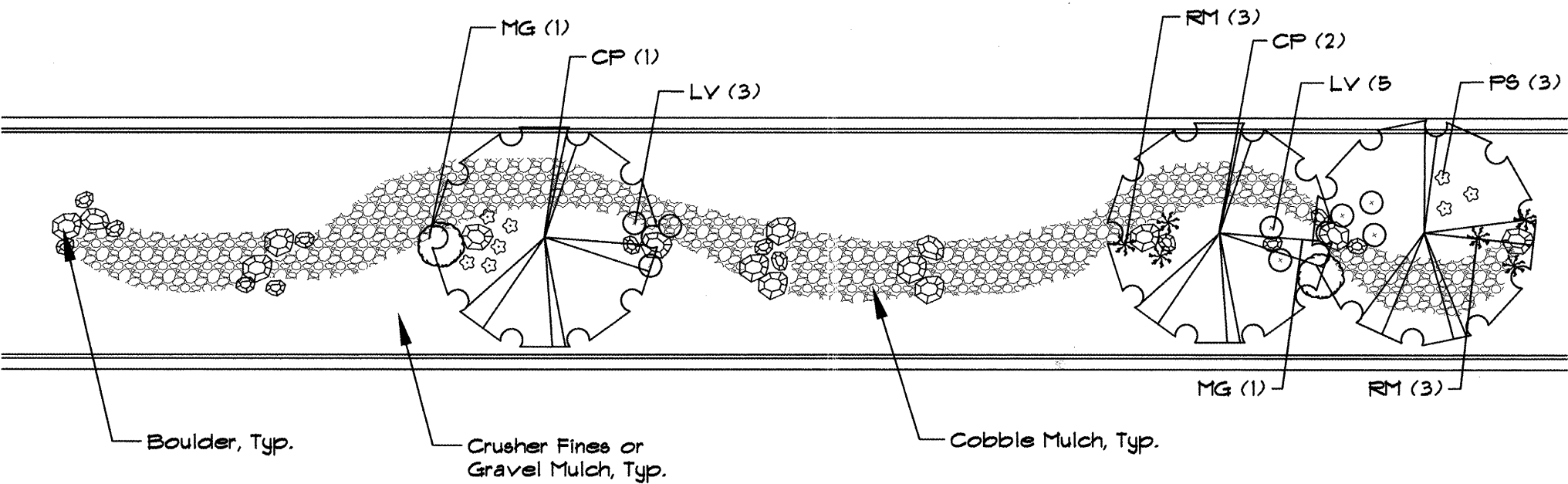
200' POD: TYP. 16' MEDIAN

Scale: 1"=20'



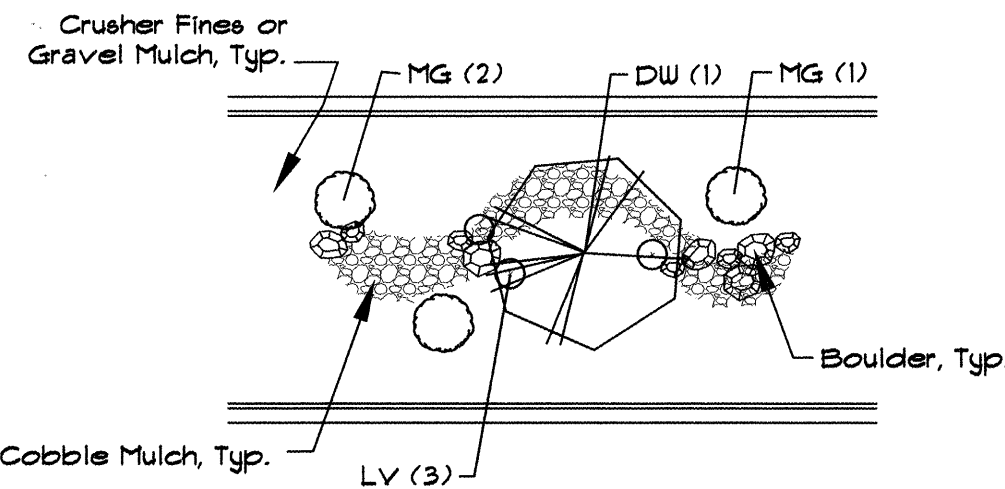
50' POD: TYP. 16' MEDIAN

Scale: 1"=20'



200' POD: WIDE MEDIAN ADAPTATION

Scale: 1"=20'



50' POD: WIDE MEDIAN ADAPTATION

Scale: 1"=20'

PLANT LEGEND (See Master Plant List, Sheet 5 for Complete Plant Sizing Information)

SYMBOL	COMMON NAME	ALTERNATIVE SPECIES	ALTERNATIVE SPECIES WIDE MEDIANS ONLY*	QTY. (200' POD)	QTY. (50' POD)	QTY. (WIDE 200' POD)	QTY. (WIDE 50' POD)
SHADE TREES							
CP	Chinese Pistache	Honey Locust Arizona Sycamore		3	0	3	0
ACCENT TREES							
DW	Desert Willow	Thornless Hawthorn Shumard Oak	Scotch Pine Limber Pine	0	1	0	1
LARGE SHRUBS							
MG	Maidenrass	Lena's Broom Arp Rosemary		2	3	2	3
SMALL SHRUBS							
LV	Lavender	Irene Rosemary Cherry Sage		6	3	8	3
RM	Regal Mist	Little Bluestem Blue Avena		6	0	6	0
GROUNDCOVERS/PERENNIALS							
PS	Prairie Sage	Bush Penstemon Red Hot Poker		8	0	8	0

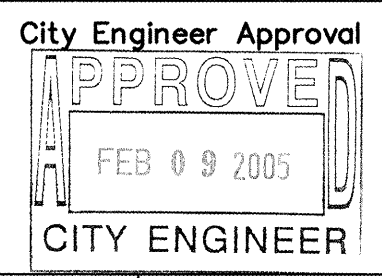
*Trees designated as "alternate species - wide medians only" shall be installed only in medians of minimum 25' width and 100' length.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS		MICRO-FILM INFORMATION	
CONTRACTOR	DATE	STATION	DATE	NO.	BY	DATE	DATE	NO.	DATE	NO.	DATE
INSPECTOR'S	DATE	INSPECTOR'S	DATE								
FIELD VERIFICATION BY	DATE	FIELD VERIFICATION BY	DATE								
CONTRACTOR'S	DATE	CONTRACTOR'S	DATE								
RECORDED BY	DATE	RECORDED BY	DATE								



CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
DESIGN DEVELOPMENT DIVISION

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-04B
PROTOTYPE B: PLANTING PLAN

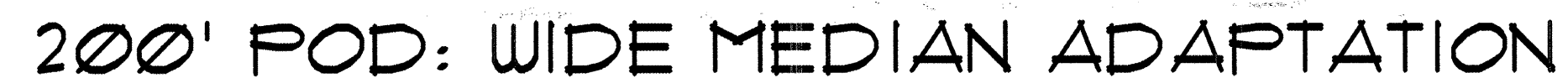


City Project No. 754600

Zone Map No.

Sheet

8 of 25



STATE OF NEW MEXICO
ELIZABETH G. REARDON
NO. 26
REGISTERED LANDSCAPE ARCHITECT





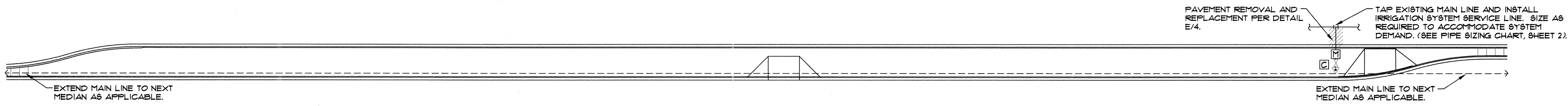
*Trees designated as "alternate species - wide medians only" shall be installed only in medians of minimum 25' width and 100' length.



STATE OF NEW MEXICO
ELIZABETH C. REARDON
NO. 26
REGISTERED
LANDSCAPE ARCHITECT

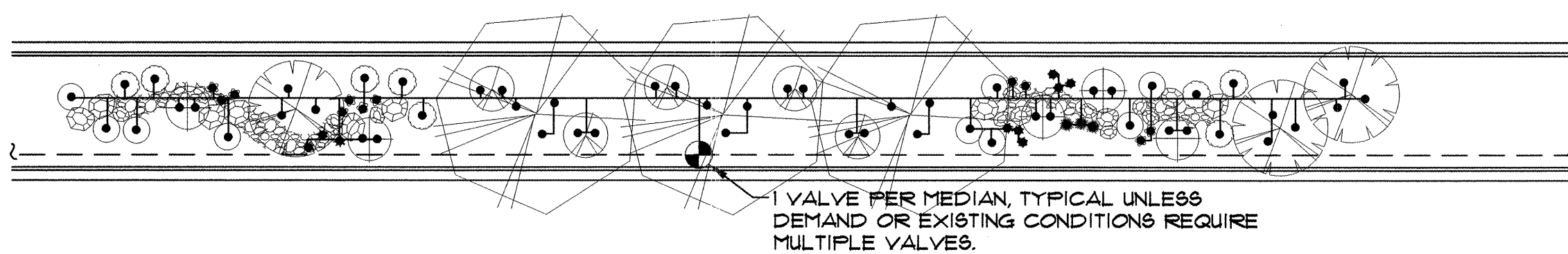
PROTOTYPE C: PLANTING PLAN

Design Review Committee 	City Engineer Approval 	Last Design Update <table border="1"> <tr> <th>Mo./Day/Yr.</th> <th>Mo./Day/Yr.</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	Mo./Day/Yr.	Mo./Day/Yr.										
Mo./Day/Yr.	Mo./Day/Yr.													
City Project No. <div style="font-size: 2em; font-weight: bold;">754600</div>	Zone Map No.	Sheet <div style="font-size: 1.5em; font-weight: bold;">10 of 25</div>												



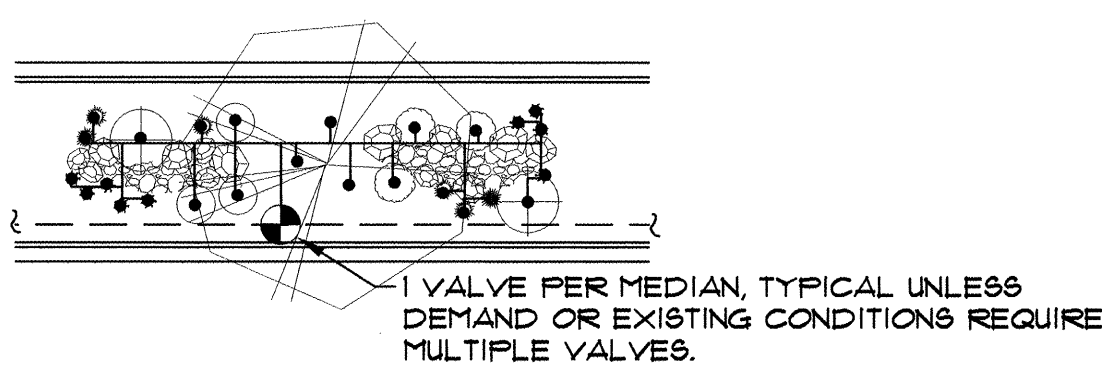
IRRIGATION TAP, METER, BACKFLOW PREVENTER & MAIN LINE, TYP.

Scale: 1"=30'



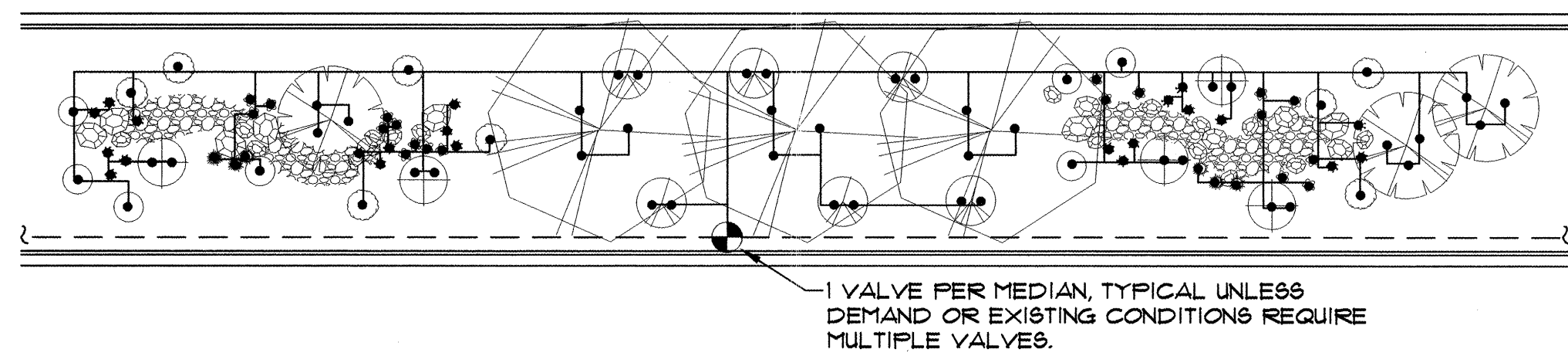
200' POD: TYP. 16' MEDIAN

Scale: 1"=20'



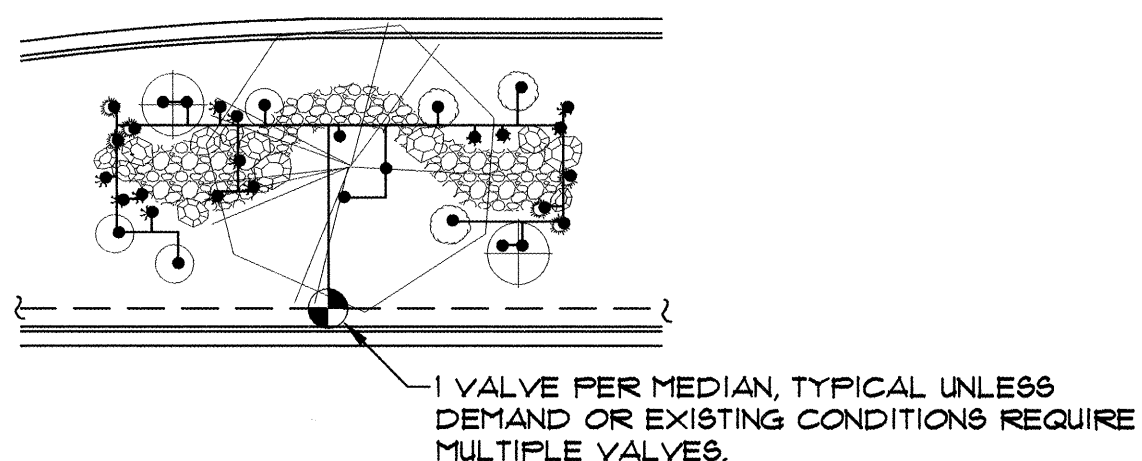
50' POD: TYP. 16' MEDIAN

Scale: 1"=20'



200' POD: WIDE MEDIAN ADAPTATION

Scale: 1"=20'



50' POD: WIDE MEDIAN ADAPTATION

Scale: 1"=20'

IRRIGATION LEGEND

- WATER METER PER COA DUG. 2362 OR 2363. SIZE PER METER SIZING CHART, SHEET 2.
- IRRIGATION MAIN LINE, SCH 40 BELL END, SOLVENT WELD PVC. DEPTH OF SHALL BE BURY 20" FOR CONTINUOUS PRESSURE IRRIGATION MAIN LINE AND 18" DEPTH OF BURY FOR NON-CONTINUOUS PRESSURE. SIZE PER PIPE SIZING CHART, SHEET 2.
- LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC. DEPTH OF BURY, 18". SIZE PER PIPE SIZING CHART, SHEET 2.
- ISOLATION VALVE ASSEMBLY, SIZE PER VALVE SIZING CHART, SHEET 2. INSTALL PER C.O.A. DRAWING NO. 2107.
- FEBCO 825YA REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTER AND MASTER VALVE ASSEMBLY WITH BALL VALVES, INSTALLED IN HEATED AND INSULATED ENCLOSURE AND MASTER METER INSTALLED IN VALVE BOX PER DETAIL C/4. SIZE OF RP, MASTER VALVE, AND MASTER METER SHALL BE SAME AS LINE SIZE. ENCLOSURE SHALL BE SIZED TO ACCOMMODATE SIZE OF RP AND MASTER VALVE ASSEMBLY.
- REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD FEB PLASTIC BODY 24-VOLT AUTOMATIC VALVE, SIZE, PER VALVE SIZING CHART, SHEET 2. INSTALL PER C.O.A. DRAWING NO. 2103. (SIMILAR - SEE IRRIGATION NOTES *24 AND *25, SHEET 2.)
- SOLVENT WELD CAP, SCH. 40 PVC, LINE SIZE.

PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES, AS FOLLOWS: INSTALL PER C.O.A. DRAWING NUMBERS 2110, 2111, 2111-A AND 2112.

MODEL NO.	GPM	F81
1401	25	30
- IRRINET AC, IRRINET DC, SCORPIO AC, OR SCORPIO DC, CONTROLLER WITH INTERSPEC ENCLOSURE AND DOMED ANTENNA. UNIT SHALL COMMUNICATE ON C.O.A. RADIO FREQUENCY (WIDE BAND). INSTALL PER DETAILS B/4 AND D/4. COORDINATE WITH CITY PROJECT MANAGER FOR TYPE OF CONTROLLER. SIZE AS REQUIRED TO ACCOMMODATE QUANTITY OF REMOTE CONTROL VALVES AND MASTER VALVE.

PROTOTYPE G GPM

STANDARD 200' POD:	21
STANDARD 50' POD:	6
WIDE MEDIAN 200' POD:	26
WIDE MEDIAN 50' POD:	7

IRRIGATION NOTES

- SEE SHEET 2 FOR GENERAL IRRIGATION NOTES.
- CONTRACTOR SHALL SIZE THE IRRIGATION COMPONENTS IN ACCORDANCE WITH THE IRRIGATION SIZING CRITERIA, SHEET 2.
- BUBBLERS ARE SHOWN DIRECTLY ON TOP OF SHRUBS FOR CLARITY OF DESIGN ONLY. BUBBLERS SHALL BE LOCATED 12" FROM THE SHRUB ROOT BALL.
- UNIT PRICE BID ITEM FOR EACH POD INCLUDES BUBBLERS AND RELATED INCIDENTAL COMPONENTS ONLY. BALANCE OF IRRIGATION COMPONENTS (MAIN LINE, WIRE, BACKFLOW PREVENTER, GATE VALVE, METER, TAP, SERVICE LINE, CONTROL VALVES & LATERAL LINES) ARE BID AS SEPARATE UNIT BID ITEMS. FITTINGS AND OTHER IRRIGATION COMPONENTS REQUIRED TO INSTALL INDIVIDUAL BID ITEMS SHALL BE INCIDENTAL TO THE WORK AND INCLUDED AT NO ADDITIONAL COST TO THE OWNER.

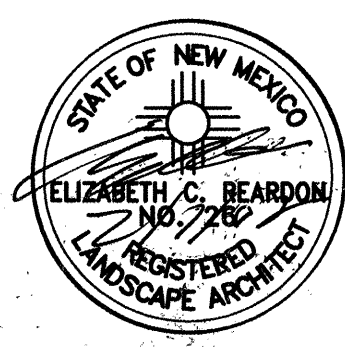
MORROW REARDON WILKINSON, LTD.
LANDSCAPE ARCHITECTS
210 La Veta NE, Albuquerque, NM 87108
505.268.2266 FAX 505.265.9637
mrw@mrwm.com

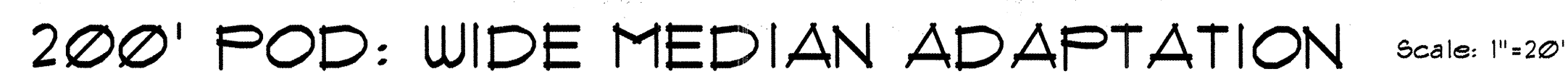
CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
DESIGN DEVELOPMENT DIVISION

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-04B
PROTOTYPE C: IRRIGATION PLAN

Design Review Committee FEB 09 2005 DESIGN REVIEW COMMITTEE	City Engineer Approval FEB 09 2005 CITY ENGINEER	Last Design Update Mo./Day/Yr. Mo./Day/Yr.
City Project No. 754600	Zone Map No.	Sheet 11 of 25

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS	
CONTRACTOR				FIELD NOTES				NO.	DATE
WORK				BY				BY	
STAKED BY				DATE				REVISIONS	
DATE								WILSON & COMPANY, ENGINEERS & ARCHITECTS	
FIELD								DESIGNED BY	DATE
ADJUSTED BY								ECR/MAK	FEBRUARY 2005
DATE								DRAWN BY	DATE
DATE								EAC/MAK	FEBRUARY 2005
MICRO-FILM INFORMATION								CHECKED BY	DATE
RECORDED BY								ECR	FEBRUARY 2005
NO.									





4" DEPTH MULCH

12"

12"

2" FROM T.O.C. TO TOP OF MULCH

6:1 SLOPE

18"

LEVEL AREA • B.O.C. (TYP-BOTH SIDES)

LEVEL AREA • BOTTOM OF SLOPE

MEDIAN SECTION

MEDIAN-SECTION-A DWG



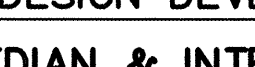
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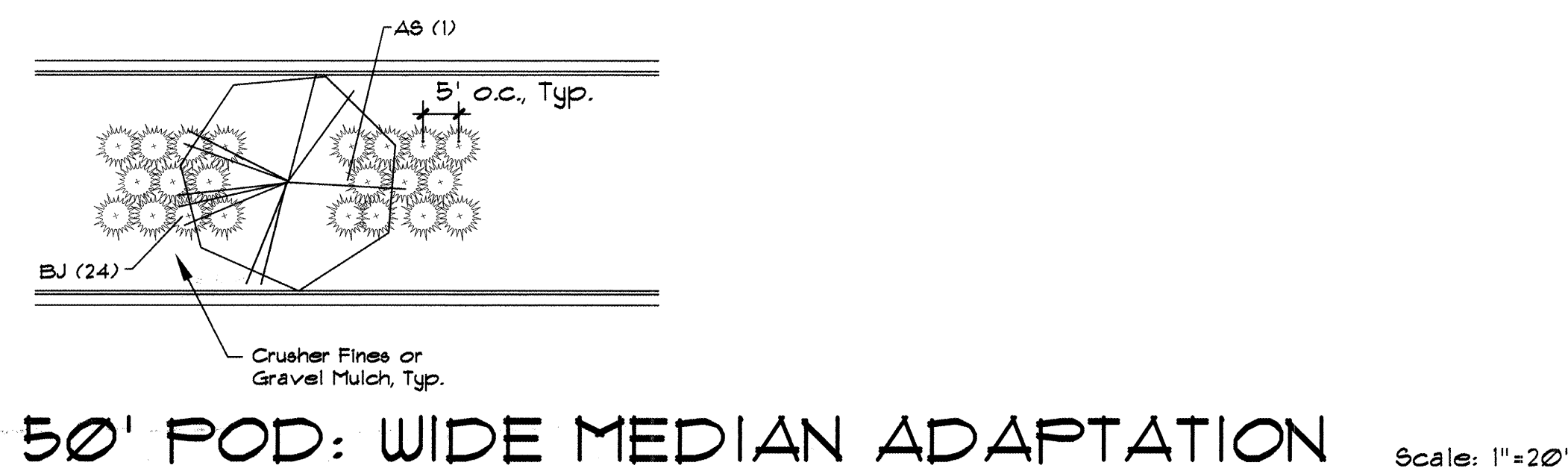
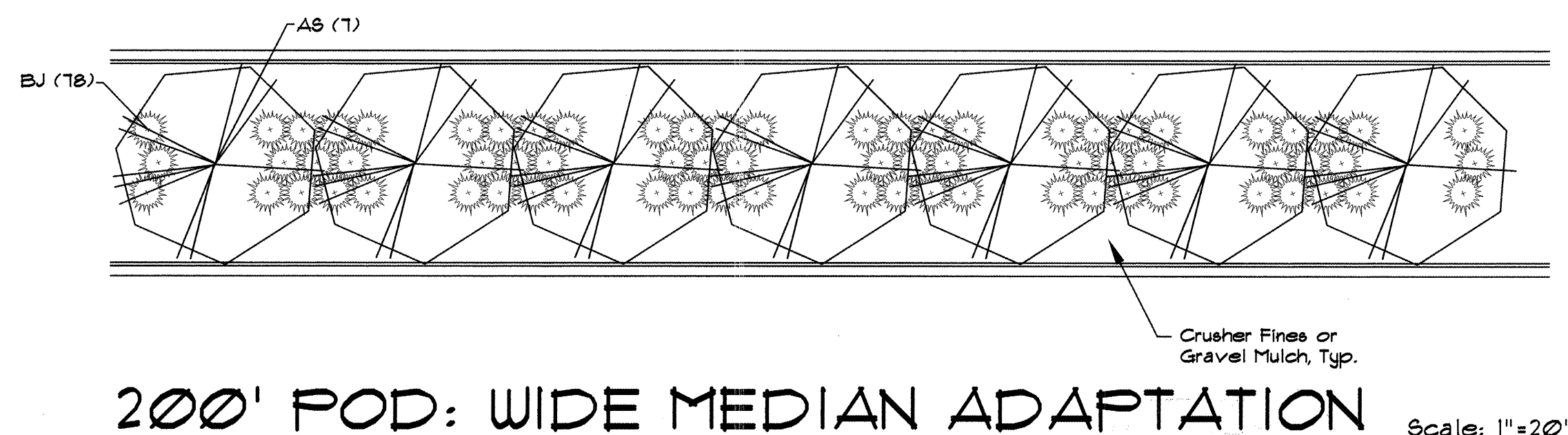
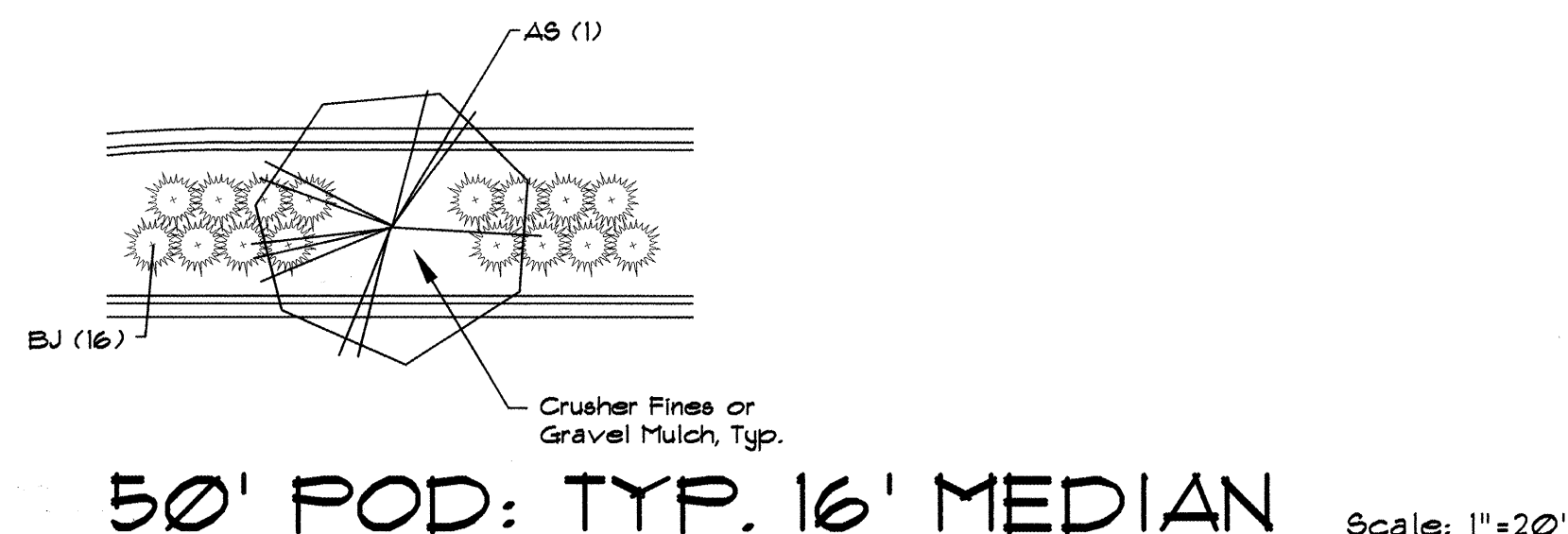
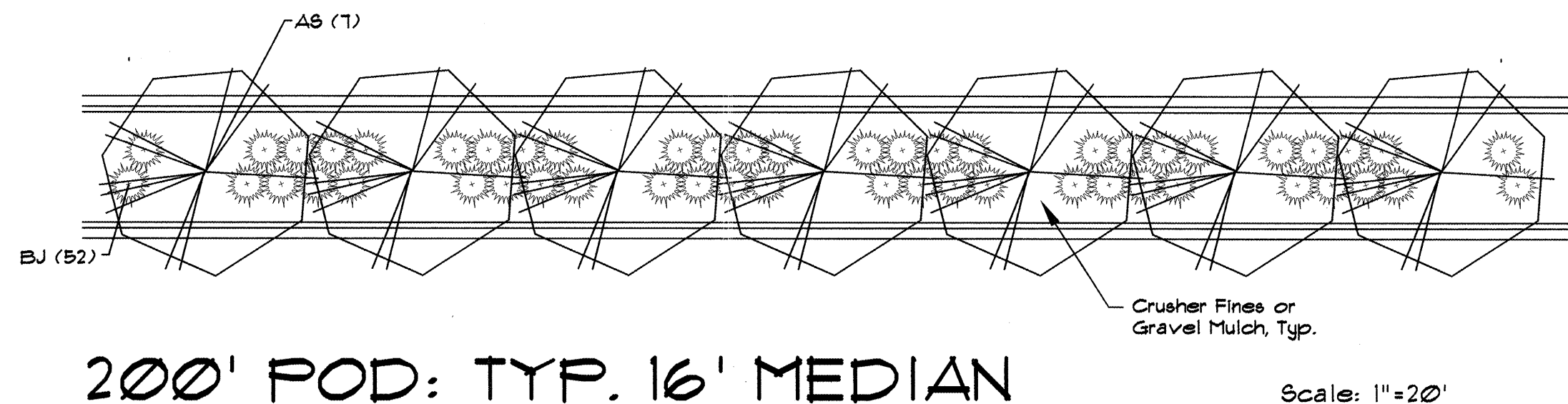
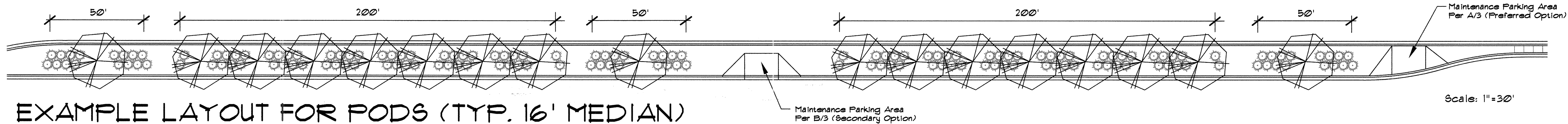
3/8" = 1'-0"

 **MORROW
REARDON
WILKINSON, LTD.,
LANDSCAPE ARCHITECTS**

210 La Veta NE, Albuquerque, NM 87108
505.288.2266 FAX 505.265.9637

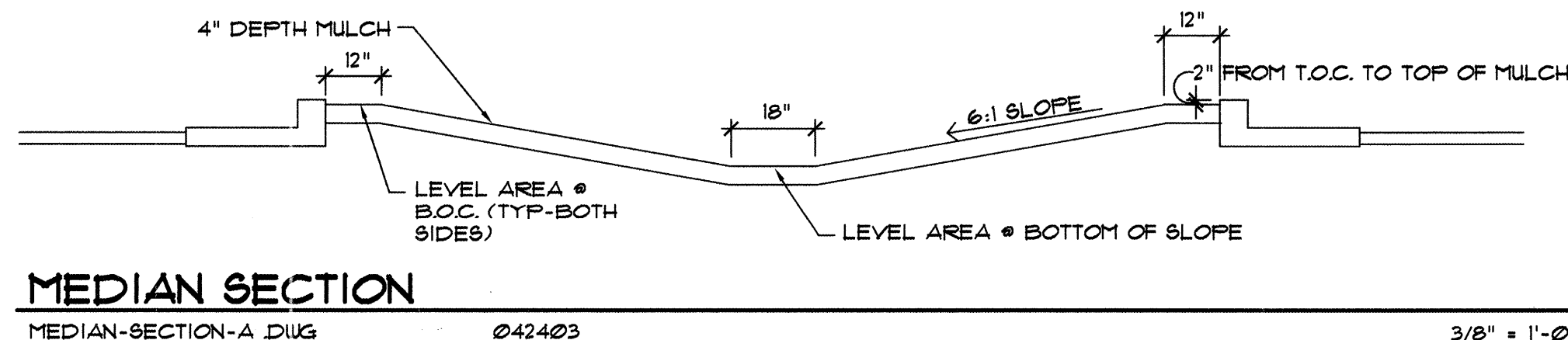
mrw@mrwmm.com

	CITY OF ALBUQUERQUE PARKS AND RECREATION DEPARTMENT DESIGN DEVELOPMENT DIVISION			
PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-04B				
PROTOTYPE D: PLANTING PLAN				
Design Review Committee 	City Engineer Approval 	Last Design Update 	Mo./Day/Yr. 	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet		
754600			12 of 25	



PLANT LEGEND (See Master Plant List, Sheet 5 for Complete Plant Sizing Information)

SYMBOL	COMMON NAME	ALTERNATIVE SPECIES	QTY. (200' POD)	QTY. (50' POD)	QTY. (WIDE 200' POD)	QTY. (WIDE 50' POD)
AS	Arizona Sycamore	Autumn Purple Ash Honey Locust Lacebark Elm	7	1	7	1
GROUNDCOVERS						
BJ	Buffalo Juniper	Arcadia Juniper Scandia Juniper	52	16	78	24

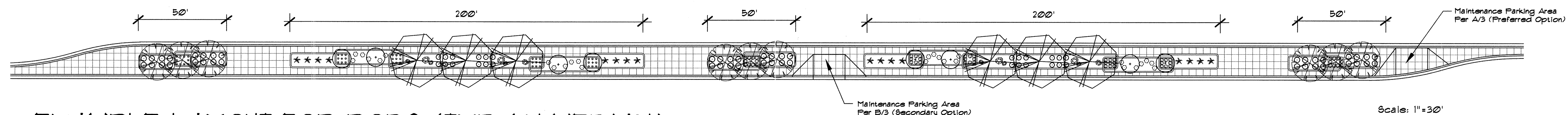


CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
DESIGN DEVELOPMENT DIVISION

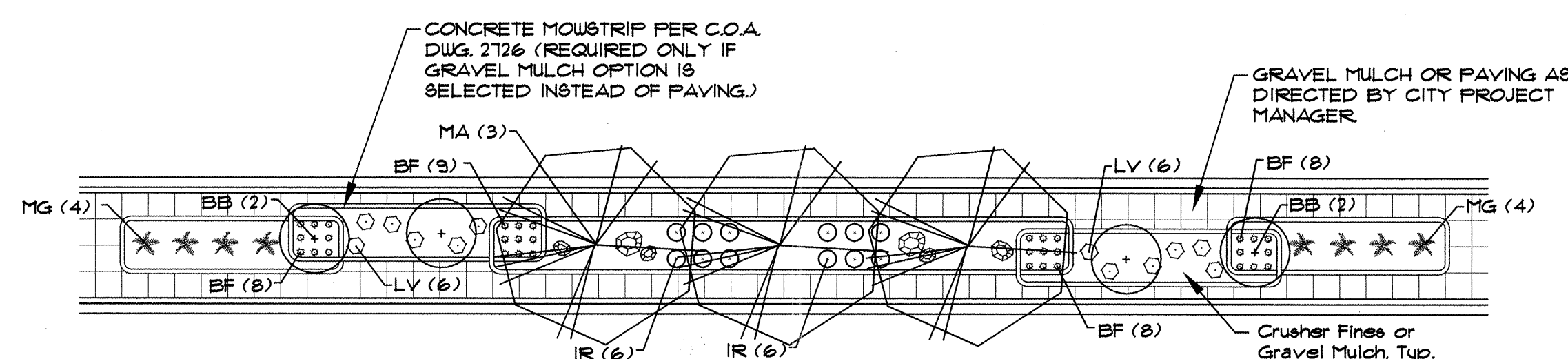
PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-04B
PROTOTYPE E: PLANTING PLAN

Design Review Committee APPROVED FEB 09 2005 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED FEB 09 2005 CITY ENGINEER	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 754600	Zone Map No.	Sheet 14 of 25		

AS-BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ARCHITECTURAL SEAL		
CONTRACTOR	DATE					FIELD NOTES	DATE				
WORK	DATE					BY					
STAGED BY	DATE					NO.			REVISIONS	BY	
ACCEPTANCE BY	DATE								WILSON & COMPANY, ENGINEERS & ARCHITECTS	DATE	
DRAWINGS	DATE								DESIGNED BY	DATE	
CORRECTED BY	DATE								DRAWN BY	DATE	
RECORDED BY	DATE								EAC/MAK	DATE	
NO.									CHECKED BY	DATE	

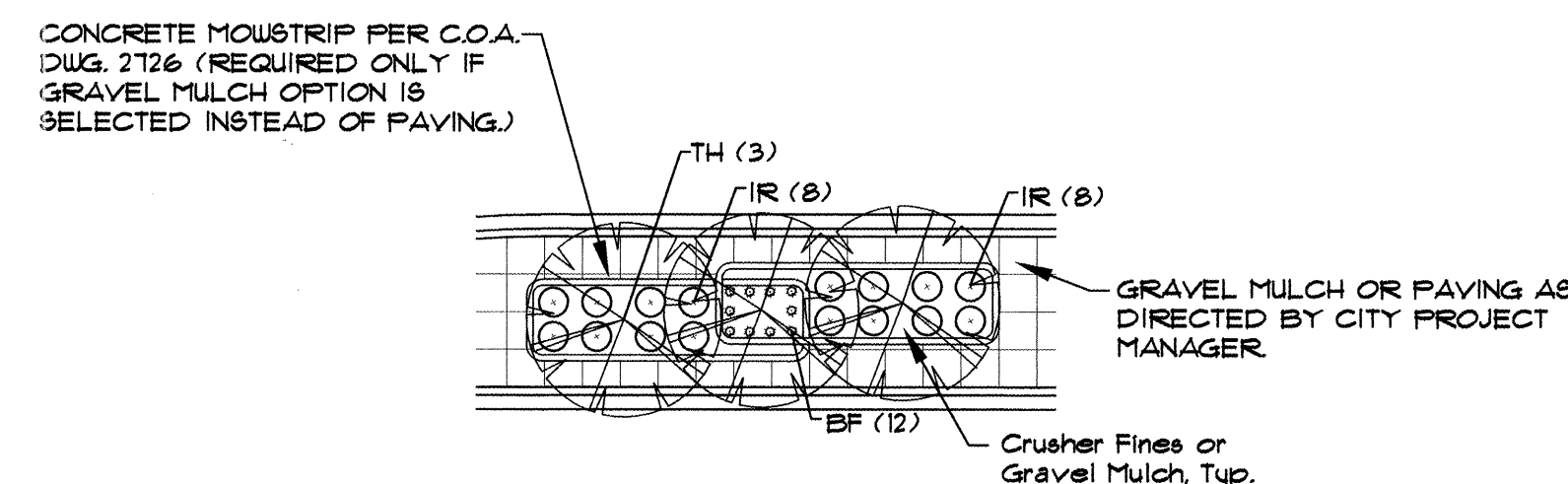


EXAMPLE LAYOUT FOR PODS (TYP. 16' MEDIAN)



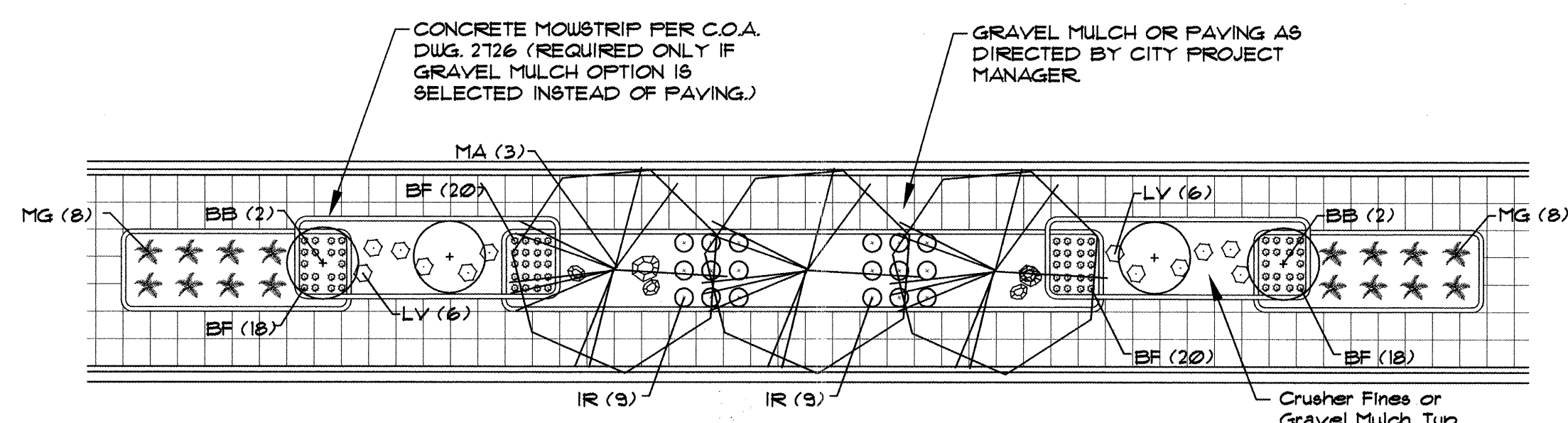
200' POD: TYP. 16' MEDIAN

Scale: 1"=20'



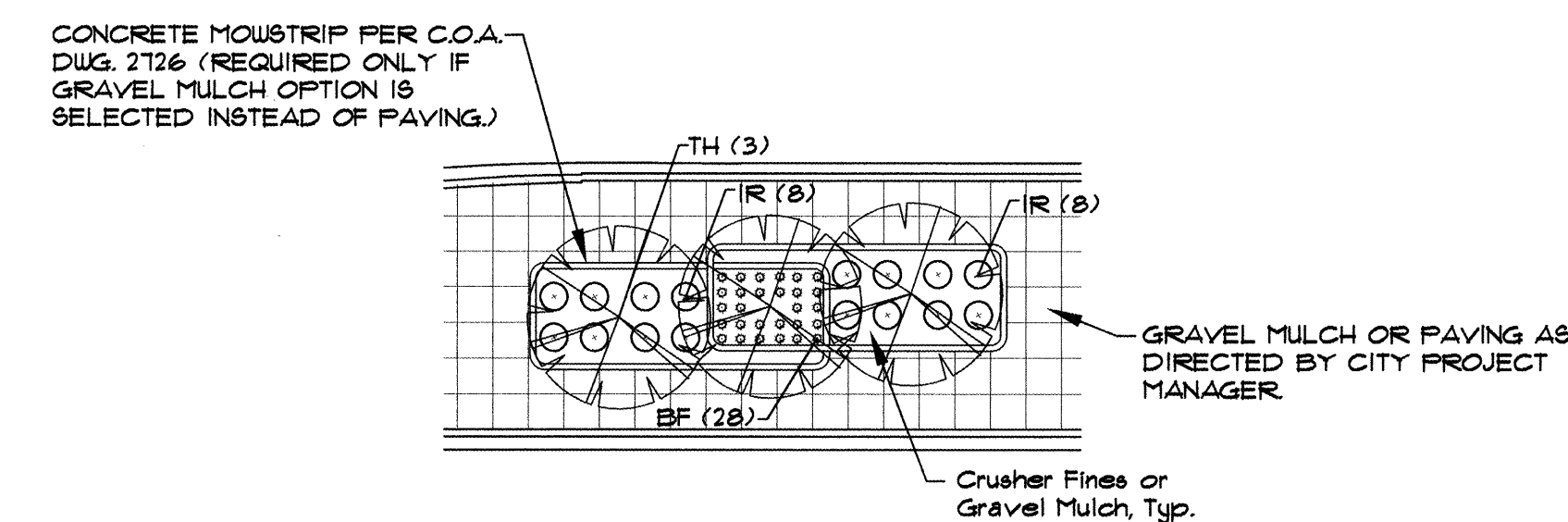
50' POD: TYP. 16' MEDIAN

Scale: 1"=20'



200' POD: WIDE MEDIAN ADAPTATION

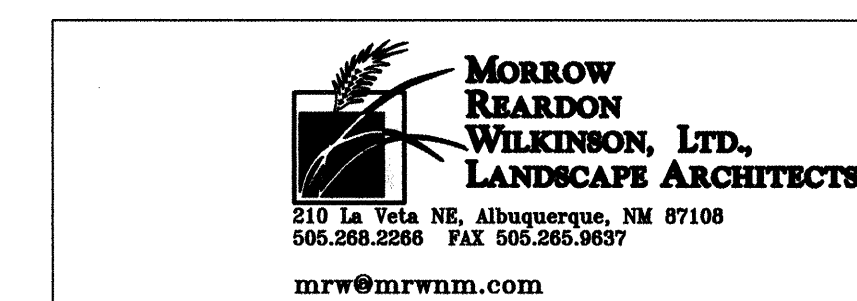
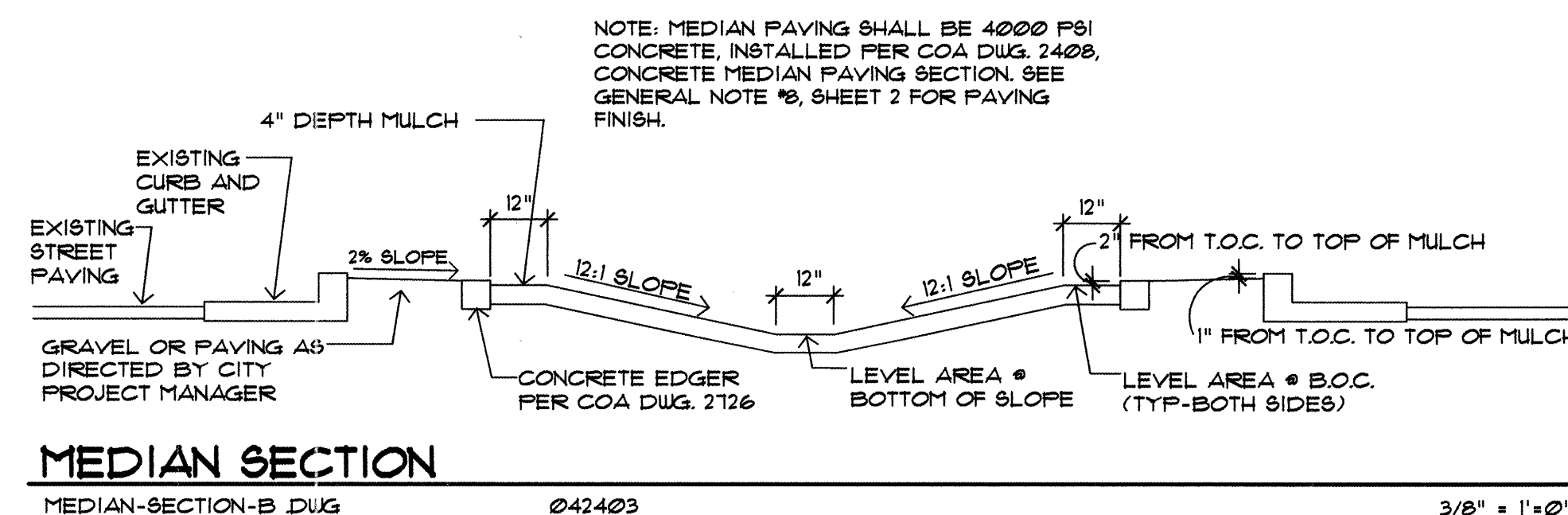
Scale: 1"=20'



50' POD: WIDE MEDIAN ADAPTATION

Scale: 1"=20'

PLANT LEGEND (See Master Plant List, Sheet 5 for Complete Plant Sizing Information)						
SYMBOL	COMMON NAME	ALTERNATIVE SPECIES	QTY. (200' POD)	QTY. (50' POD)	QTY. (WIDE 200' POD)	QTY. (WIDE 50' POD)
SHADE TREES						
MA	Modesto Ash	Chinese Pistache Lacebark Elm	3	0	3	0
ACCENT TREES						
TH	Thornless Hawthorn	Sunburst Honey Locust Smoke Tree	0	3	0	3
VERTICAL SHRUB						
BB	Butterfly Bush	Spanish Broom Fern Bush	4	0	4	0
LARGE SHRUBS						
MG	Maiden Grass	Sotol Red Yucca	8	0	16	0
SMALL SHRUBS						
IR	Irene Rosemary	Regal Mist Foerster's Grass	12	16	18	16
LV	Lavender	Shrubby Cinquefoil Blue Avena	12	0	12	0
GROUNDCOVERS						
BF	Blue Fescue		34	10	76	28



CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
DESIGN DEVELOPMENT DIVISION

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-04B
PROTOTYPE F: PLANTING PLAN

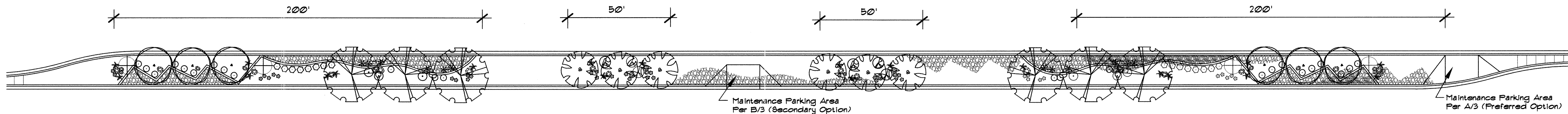
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVE FEB 09 2005 DESIGN REVIEW COMMITTEE	APPROVE FEB 09 2005 CITY ENGINEER			

City Project No. 754600 Zone Map No. Sheet 16 of 25

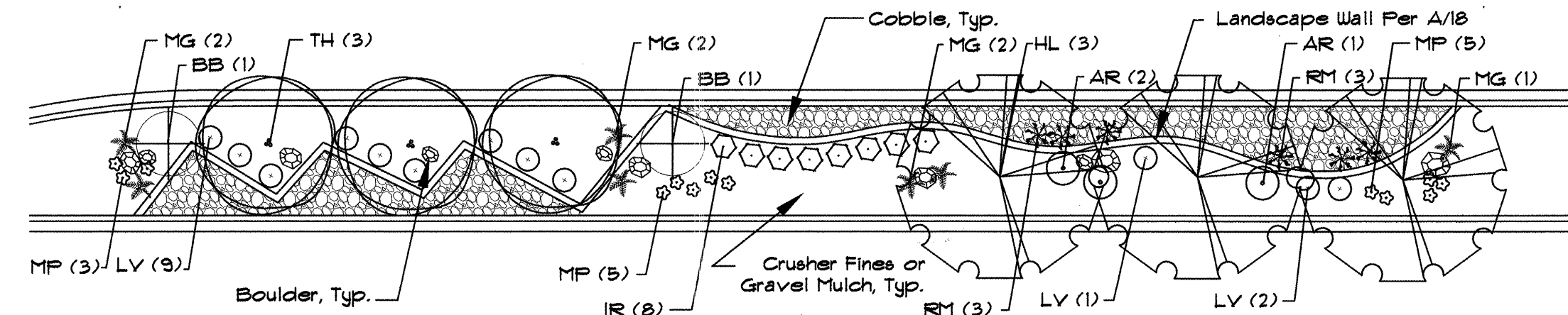
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WORK BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
INSPECTOR'S ACCEPTANCE BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
VERIFICATION BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
DRAWINGS BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
MICRO-FILM INFORMATION		RECORDING BY		RECORDING BY		RECORDING BY	
NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE



NO.	DATE	REVISIONS	BY
1		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
2		DESIGNED BY ECR/MAK	
3		DRAWN BY EAC/MAK	
4		CHECKED BY ECR	

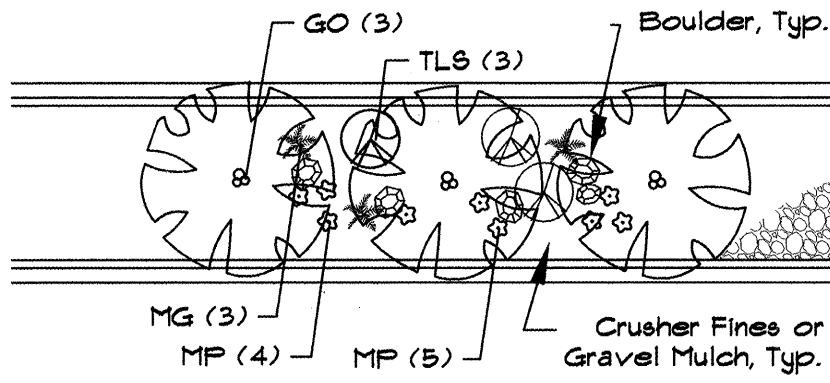


EXAMPLE LAYOUT FOR PODS (TYP. 16' MEDIAN)



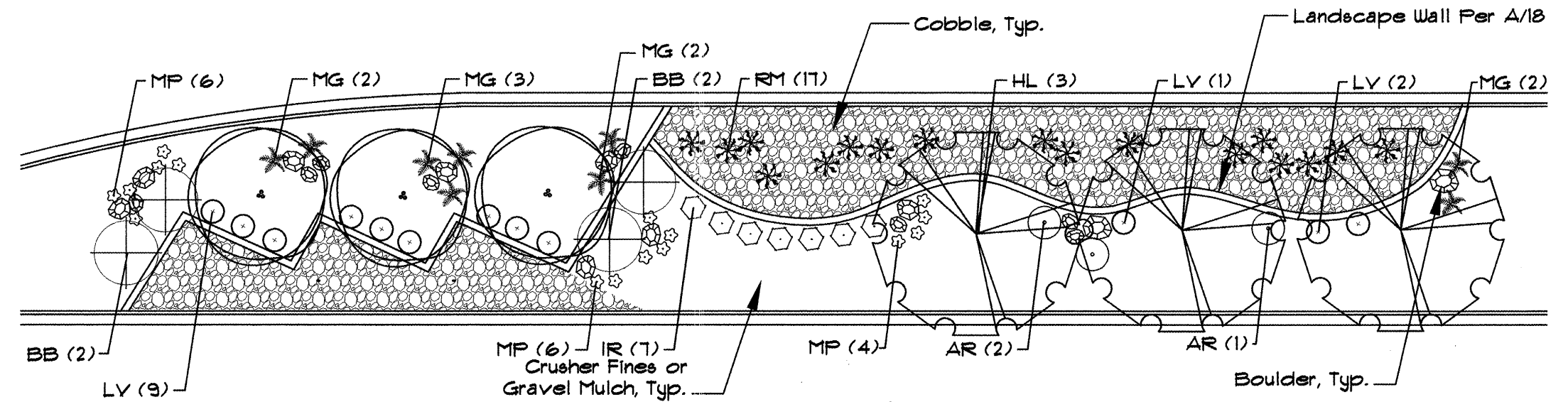
200' POD: TYP. 16' MEDIAN

Scale: 1"=20'



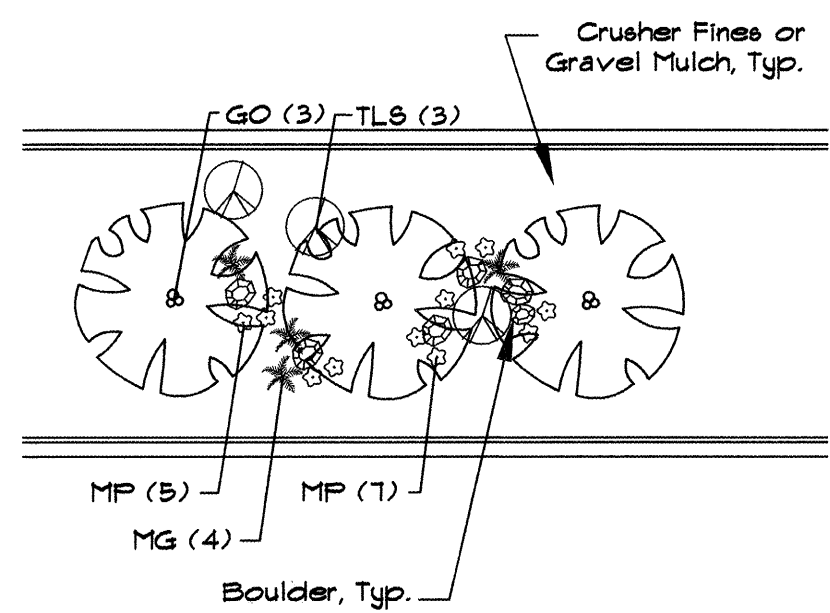
50' POD: TYP. 16' MEDIAN

Scale: 1"=20'



200' POD: WIDE MEDIAN ADAPTATION

Scale: 1"=20'



50' POD: WIDE MEDIAN ADAPTATION

Scale: 1"=20'

PLANT LEGEND (See Master Plant List, Sheet 5 for Complete Plant Sizing Information)							
ABBREVIATION	COMMON NAME	ALTERNATIVE SPECIES	ALTERNATIVE SPECIES: WIDE MEDIANS ONLY	QTY. (200' POD)	QTY. (50' POD)	QTY. (WIDE 200' POD)	QTY. (WIDE 50' POD)
SHADE TREES							
HL	Honey Locust	Raywood Ash Chinese Pistache		3	0	3	0
ACCENT TREES							
TH	Thornless Hawthorn	Desert Willow Ornamental Pear		3	0	3	0
GO	Gambel Oak	Shumard Oak Bechtel Crabapple	Austrian Pine Dwarf Scotch Pine	0	3	0	3
VERTICAL SHRUBS							
BB	Butterfly Bush	Pampas Grass Fern Bush		2	0	4	0
LARGE SHRUBS							
AR	Arp Rosemary	Blue Mist Russian Sage		3	0	3	0
MG	Maiden Grass	Switchgrass Lena's Broom		7	3	9	4
TLS	Threeleaf Sumac	Red Yucca Texas Sage		0	3	0	3
SMALL SHRUBS							
LV	Lavender	Dwarf Rabbitbrush Shrubby Cinquefoil		12	0	12	0
IR	Irene Rosemary	Cherry Sage Broom Dalea		8	0	7	0
RM	Regal Mist	Blue Avena		6	0	17	0
F	Feathergrass	Foerster's Grass		9	0	12	0
PERENNIALS							
MP	Mexican Primrose	Catmint Globe Mallow		13	9	16	12

*Trees designated as "alternate species - wide medians only" shall be installed only in medians of minimum 25' width and

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL	
CONTRACTOR	DATE	NO.	DATE	BY	DATE		REVISIONS WILSON & COMPANY, ENGINEERS & ARCHITECTS DESIGNED BY ECR/MAK DATE FEBRUARY 2005 DRAWN BY EAC/MAK DATE FEBRUARY 2005 CHECKED BY ECR DATE FEBRUARY 2005
INSPECTOR	DATE	NO.	DATE	NO.	DATE		
FIELD	DATE	NO.	DATE	NO.	DATE		
VERIFICATION BY	DATE	NO.	DATE	NO.	DATE		
MICRO-FILM INFORMATION							
RECORDED BY	DATE						
NO.							

210 La Veta NE, Albuquerque, NM 87108
505.265.2266 FAX 505.265.9657
mrw@mrwnm.com

CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
DESIGN DEVELOPMENT DIVISION

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-048
PROTOTYPE G: PLANTING PLAN

Design Review Committee APPROVED FEB 09 2005

City Engineer Approval APPROVED FEB 09 2005

DESIGN REVIEW COMMITTEE CITY ENGINEER

City Project No. 754600

Zone Map No.

Sheet 18 of 25



*Trees designated as "alternate species - wide medians only" shall be installed only in medians of minimum 25' width and 100' length.



STATE OF NEW MEXICO
ELIZABETH G. REARDON
NO. 28
REGISTERED
LANDSCAPE ARCHITECT



CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
DESIGN DEVELOPMENT DIVISION

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-04B
PROTOTYPE H: PLANTING PLAN

Design Review Committee

APPROVED

FEB 09 2005

DESIGN
REVIEW COMMITTEE

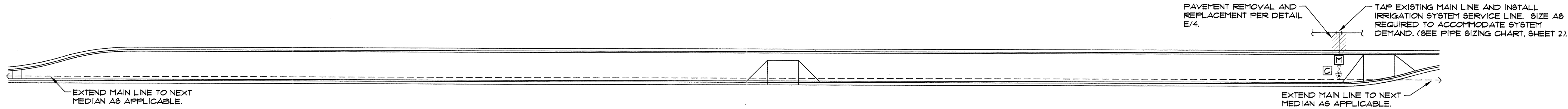
City Engineer Approval
APPROVED
FEB 09 2005
CITY ENGINEER

ast Design Update

City Project No. 754600

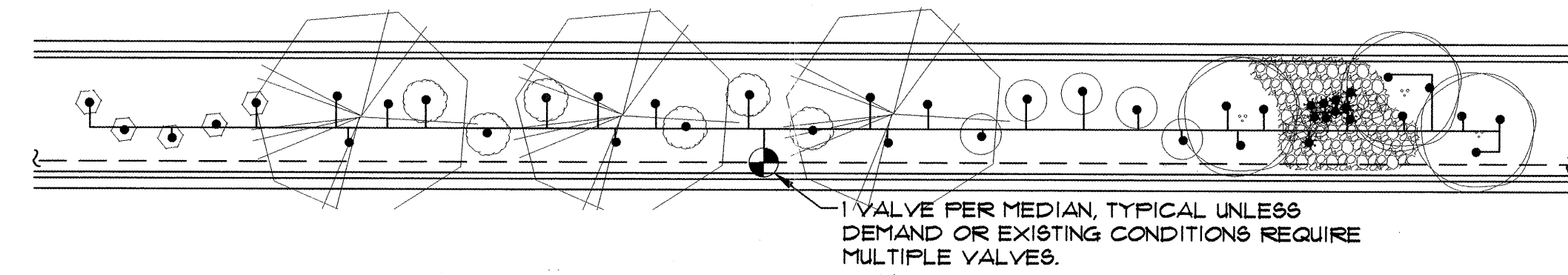
Zone Map No

Sheet 20 of 25



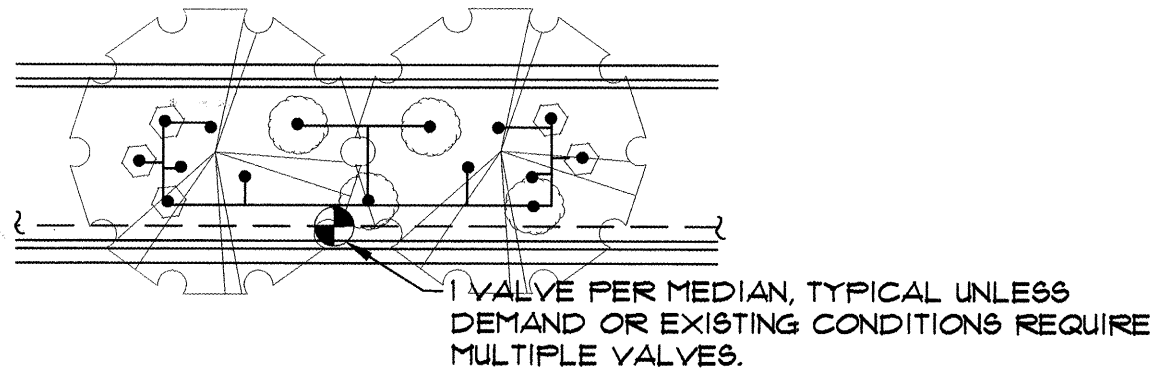
IRRIGATION TAP, METER, BACKFLOW PREVENTER & MAIN LINE, TYP.

Scale: 1"=30'



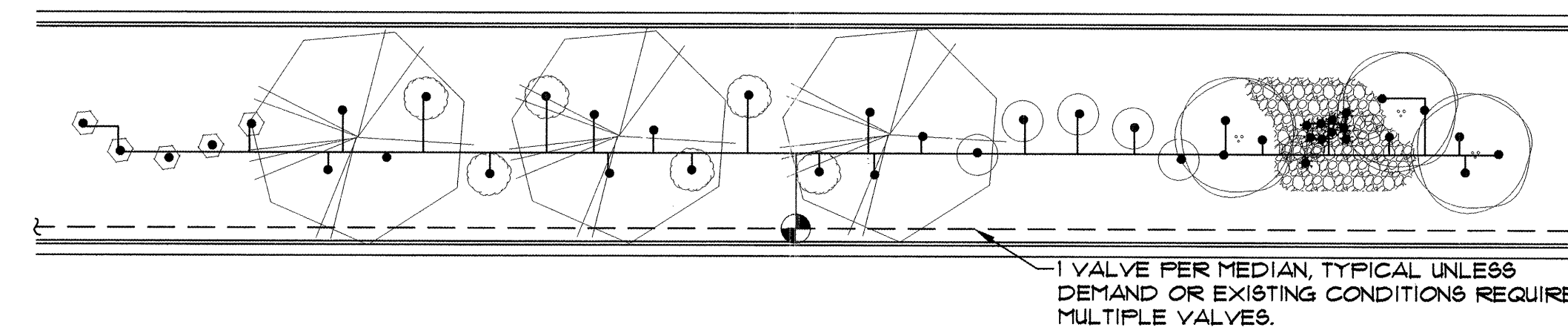
200' POD: TYP. 16' MEDIAN

Scale: 1"=20'



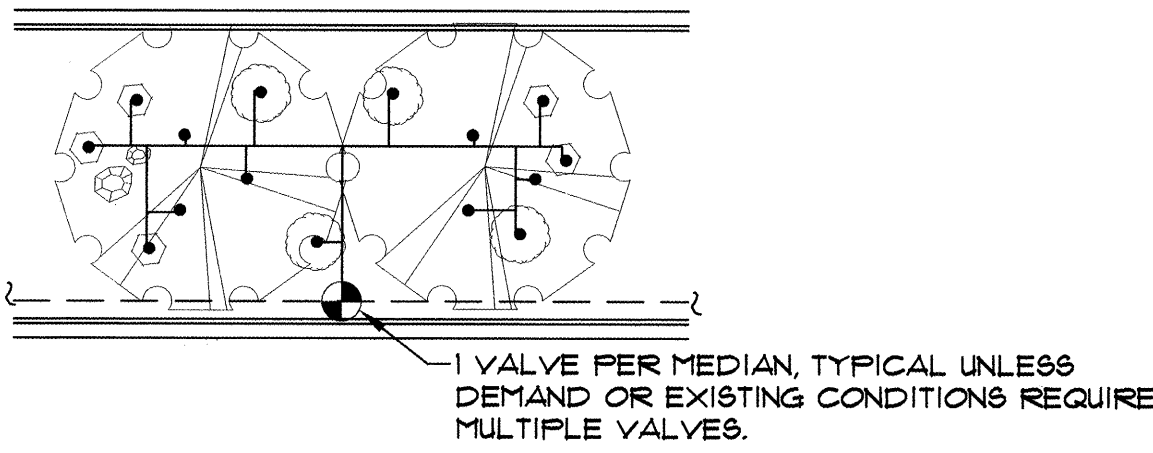
50' POD: TYP. 16' MEDIAN

Scale: 1"=20'



200' POD: WIDE MEDIAN ADAPTATION

Scale: 1"=20'



50' POD: WIDE MEDIAN ADAPTATION

Scale: 1"=20'

IRRIGATION LEGEND

- WATER METER PER COA DWG. 2362 OR 2363. SIZE PER METER SIZING CHART, SHEET 2.
- IRRIGATION MAIN LINE, SCH. 40 BELL END, SOLVENT WELD PVC. DEPTH OF SHALL BE BURY 28" FOR CONTINUOUS PRESSURE IRRIGATION MAIN LINE AND 18" DEPTH OF BURY FOR NON-CONTINUOUS PRESSURE. SIZE PER PIPE SIZING CHART, SHEET 2.
- LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC. DEPTH OF BURY, 18". SIZE PER PIPE SIZING CHART, SHEET 2.
- ISOLATION VALVE ASSEMBLY, SIZE PER VALVE SIZING CHART, SHEET 2. INSTALL PER COA. DRAWING NO. 2107.
- REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD FEB PLASTIC BODY 24-VOLT AUTOMATIC VALVE, SIZE, PER VALVE SIZING CHART, SHEET 2. INSTALL PER COA. DRAWING NO. 2103. (SIMILAR - SEE IRRIGATION NOTES #24 AND #25, SHEET 2.)
- SOLVENT WELD CAP, SCH. 40 PVC, LINE SIZE.
- PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES, AS FOLLOWS: INSTALL PER COA. DRAWING NUMBERS 2110, 2111, 2111-A AND 2112.
- IRRINET AC, IRRINET DC, SCORPIO AC, OR SCORPIO DC, CONTROLLER WITH INTERSPEC ENCLOSURE AND DOPED ANTENNA. UNIT SHALL COMMUNICATE ON C.O.A. RADIO FREQUENCY (WIDE BAND). INSTALL PER DETAILS B/4 AND D/4. COORDINATE WITH CITY PROJECT MANAGER FOR TYPE OF CONTROLLER. SIZE AS REQUIRED TO ACCOMMODATE QUANTITY OF REMOTE CONTROL VALVES AND MASTER VALVE.

PROTOTYPE G GPM

STANDARD 200' POD:	21
STANDARD 50' POD:	6
WIDE MEDIAN 200' POD:	26
WIDE MEDIAN 50' POD:	7

IRRIGATION NOTES

- SEE SHEET 2 FOR GENERAL IRRIGATION NOTES.
- CONTRACTOR SHALL SIZE THE IRRIGATION COMPONENTS IN ACCORDANCE WITH THE IRRIGATION SIZING CRITERIA, SHEET 2.
- BUBBLERS ARE SHOWN DIRECTLY ON TOP OF SHRUBS FOR CLARITY OF DESIGN ONLY. BUBBLERS SHALL BE LOCATED 12" FROM THE SHRUB ROOT BALL.
- UNIT PRICE BID ITEM FOR EACH POD INCLUDES BUBBLERS AND RELATED INCIDENTAL COMPONENTS ONLY. BALANCE OF IRRIGATION COMPONENTS (MAIN LINE, WIRE, BACKFLOW PREVENTER, GATE VALVE, METER, TAP, SERVICE LINE, CONTROL VALVES & LATERAL LINES) ARE BID AS SEPARATE UNIT BID ITEMS. FITTINGS AND OTHER IRRIGATION COMPONENTS REQUIRED TO INSTALL INDIVIDUAL BID ITEMS SHALL BE INCIDENTAL TO THE WORK AND INCLUDED AT NO ADDITIONAL COST TO THE OWNER.



CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
DESIGN DEVELOPMENT DIVISION

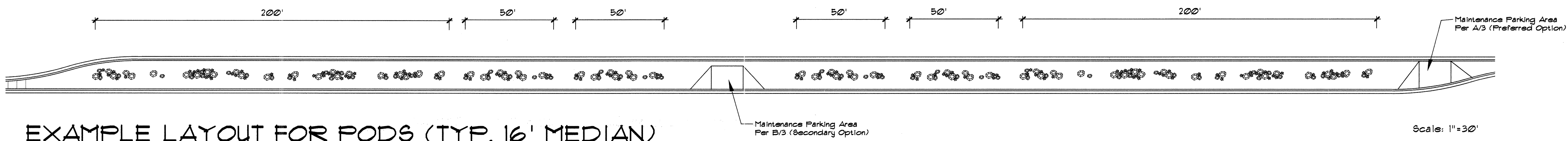
PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-04B
PROTOTYPE H: IRRIGATION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED FEB 09 2005 DESIGN REVIEW COMMITTEE	APPROVED FEB 09 2005 CITY ENGINEER			
City Project No. 754600	Zone Map No.	Sheet 21 of 25		

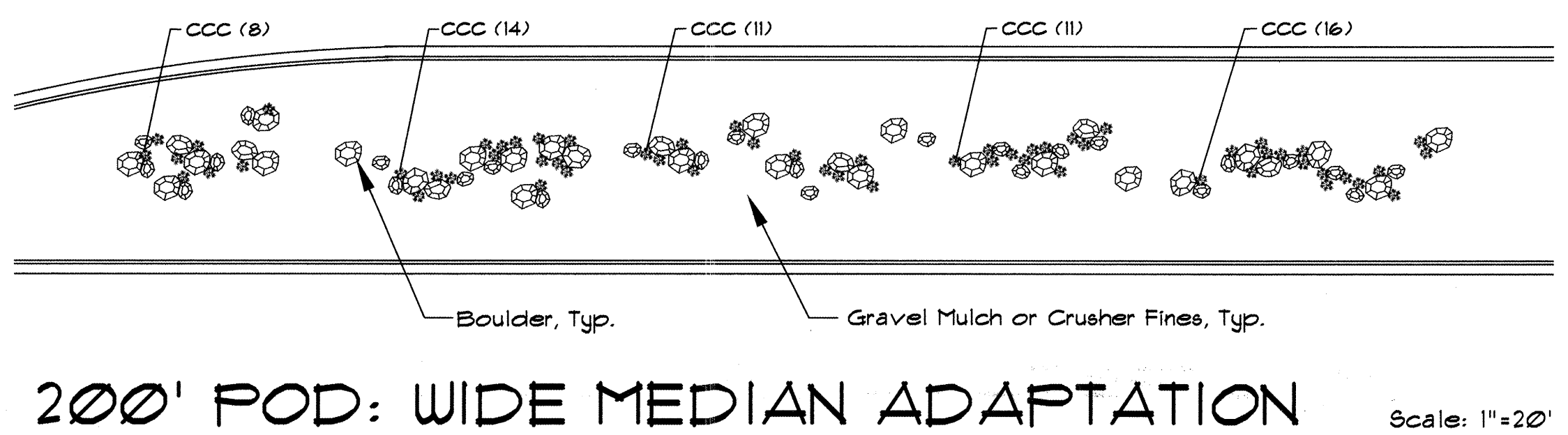
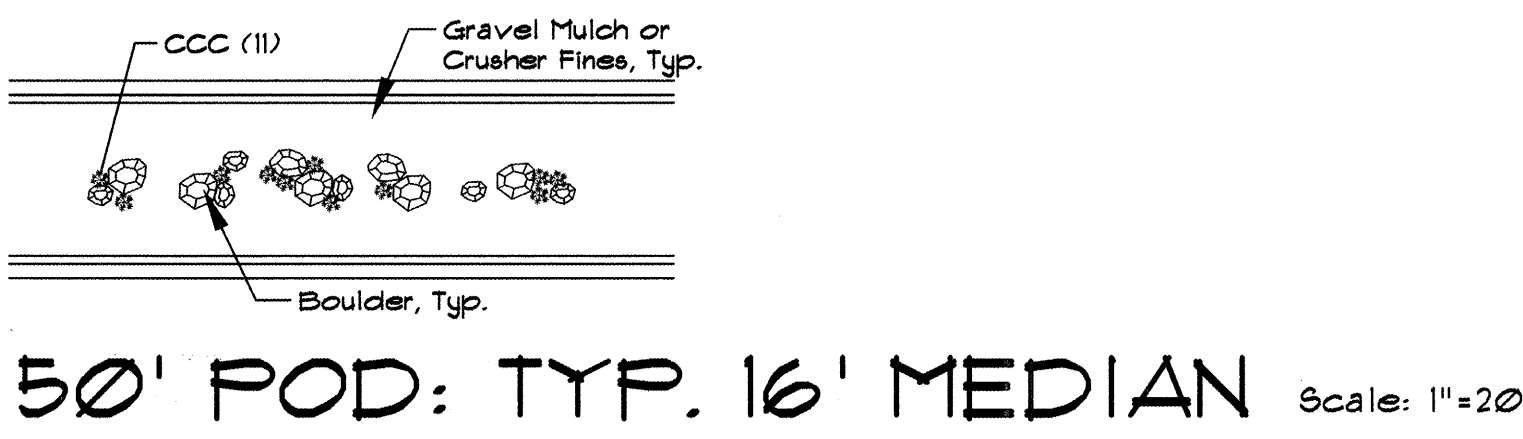
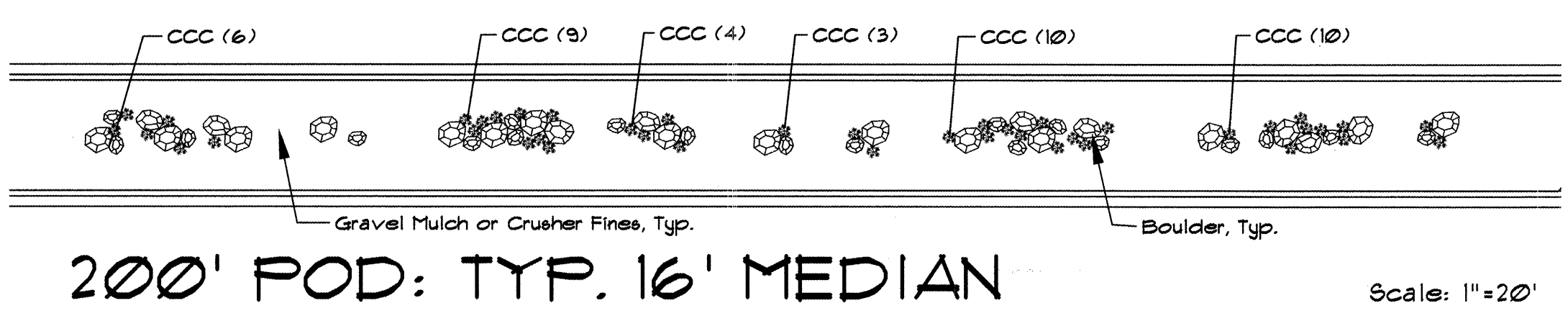
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS		WILSON & COMPANY, ENGINEERS & ARCHITECTS		DESIGNED BY		DRAWN BY		CHECKED BY	
CONTRACTOR	DATE	NO.	BY	NO.	DATE	STATE OF NEW MEXICO	REGISTERED LANDSCAPE ARCHITECT	NO.	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE



REVISIONS
BY
DATE
WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY ECR/MAK DATE FEBRUARY 2005
DRAWN BY EAC/MAK DATE FEBRUARY 2005
CHECKED BY ECR DATE FEBRUARY 2005



EXAMPLE LAYOUT FOR PODS (TYP. 16' MEDIAN)



PLANT LEGEND (See Master Plant List, Sheet 5 for Complete Plant Sizing Information)						
SYMBOL	COMMON NAME	ALTERNATIVE SPECIES	QTY. (200' POD)	QTY. (50' POD)	QTY. (WIDE 200' POD)	QTY. (WIDE 50' POD)
GROUND COVER CACTI						
CCC	Claret Cup Cactus	Bailey's Lace Cactus Royal Gorge Spiny Hedgehog New Mexico Rainbow Hedgehog	42	11	60	16

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS		MICRO-FILM INFORMATION	
CONTRACTOR	DATE	NO.	BY	NO.	DATE			NO.	DATE	NO.	DATE
INSPECTOR'S	DATE	NO.	BY	NO.	DATE			WILSON & COMPANY, ENGINEERS & ARCHITECTS	DATE	NO.	DATE
DESIGNED BY	DATE	NO.	BY	NO.	DATE			DESIGNED BY	DATE	NO.	DATE
VERIFICATION BY	DATE	NO.	BY	NO.	DATE			DRAWN BY	DATE	NO.	DATE
RECORDED BY	DATE	NO.	BY	NO.	DATE			CHECKED BY	DATE	NO.	DATE
NO.	DATE	NO.	BY	NO.	DATE			NO.	DATE	NO.	DATE

MORROW REARDON WILKINSON, LTD.
LANDSCAPE ARCHITECTS
210 La Veta NE, Albuquerque, NM 87108
505.266.2266 FAX 505.266.9637
mrw@mrwnm.com

CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
DESIGN DEVELOPMENT DIVISION

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-04B

PROTOTYPE I: PLANTING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVE FEB 09 2005 DESIGN REVIEW COMMITTEE	APPROVE FEB 09 2005 CITY ENGINEER			
City Project No. 754600	Zone Map No.	Sheet	22 of 25	



Scale: 1"=30'



Scale: 1"=20'



Scale: 1"=20'



Scale: 1"=20'



Scale: 1"=20'

CACTI SHALL BE HAND WATERED ONE (1) TIME IMMEDIATELY FOLLOWING INSTALLATION. NO ADDITIONAL IRRIGATION REQUIRED.



 CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
DESIGN DEVELOPMENT DIVISION

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-04B
PROTOTYPE I: IRRIGATION PLAN

Design Review Committee

APPROVED

FEB 09 2005

DESIGN
REVIEW COMMITTEE

City Engineer Approval

APPROVED

FEB 09 2005

CITY ENGINEER

Fast Design Update

Mo./Day/Yr

Yr.	Mo./Day/Yr.

City Project No. 754600




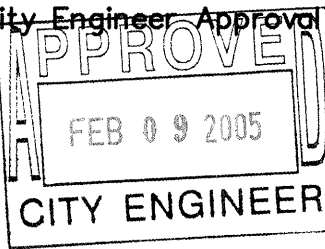
Zone Map No.

Sheet 23 of 25



PLANT LEGEND (See Master Plant List, Sheet 5 for Complete Plant Sizing Information)						
SYMBOL	COMMON NAME	ALTERNATIVE SPECIES	QTY. (200' POD)	QTY. (50' POD)	QTY. (WIDE 200' POD)	QTY. (WIDE 50' POD)
SHADE TREES						
AS	Arizona Sycamore	Autumn Purple Ash Honey Locust Lacebark Elm	5	2	5	2

[illegible]

 <p>MORROW REEDLAND WILKINSON, LTD., LANDSCAPE ARCHITECTS</p> <p>210 La Veta NE, Albuquerque, NM 87108 505-263-2296 FAX 505-263-9357</p> <p>mrw@mrwmn.com</p>						NO. DATE	WILSON & COMPANY	ELECTRIC	DESIGNED BY	EACH	DRAWN BY	CHECKED BY	ECR
<div style="text-align: center;">  <p>CITY OF ALBUQUERQUE PARKS AND RECREATION DEPARTMENT DESIGN DEVELOPMENT DIVISION</p> </div>													
<p align="center">PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-04B</p> <p align="center">PROTOTYPE J: PLANTING PLAN</p>													
Design Review Committee 		City Engineer Approval 		Last Design Update		Mo./Day/Yr.				Mo./Day/Yr.			
City Project No. 754600		Zone Map No.				Sheet				24 of 25			

